



Javier Peralta Calvillo

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General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

My name is Javier Peralta and I was born in Algeciras (1979, Spain). I graduated in Physics at the University of La Laguna (Spain) in 2003, specializing in the fields of Astrophysics and Applied Physics. In 2009, I got an European PhD degree in Physics at the University of the Basque Country (Spain) with the highest qualification ("Cum Laude") . My PhD research, supervised by Professors Agustín Sánchez-Lavega and Ricardo Hueso, focused on the atmospheric dynamics of the planet Venus using data from the space missions Galileo and Venus Express. As a result, 6 articles were published in international peer review journals (4 of them as first author) along with more than 80 citations which allowed to be awarded in 2012 with the "Extraordinary Prize of Doctorate" granted by the University of the Basque Country. After my PhD, I spent the last 10 years (2009-2019) working in different research institutions as postdoctoral researcher: 2 years at IAA/CSIC in Granada (Spain), 3 years at the Astronomical Observatory of Lisbon (CAAUL/OAL, Portugal) and 5 years at the Institute of Space and Astronautical Science of Japan (ISAS/JAXA), funded by JAXA's International Top Young Fellowship (ITYF). Since my research activity has been mostly linked to research institutions rather than universities, my Teaching Experience is limited to the supervision of an End of Course project (University of Lisbon) and two Master theses (University of Tokyo), and diverse Seminars.

I published a total of 40 articles in peer-reviewed journals (16 as lead author), 4 conference papers, submitted 130 scientific reports presented in international congresses, workshops and courses. My works had an important impact, receiving 782 citations, with 268 citations belonging to papers in which I was the lead author (ref. Scopus). As lead author, I highlight 3 publications in Astrophysical Journal Supplement Series, 1 in Nature Astronomy and 4 in Geophysical Research Letters, and I co-authored 1 in Science, 2 in Nature Geoscience, 1 in Nature Communications and 2 in Geophysical Research Letters. Two of my works in Geophysical Research Letters were selected for the journal's front cover, and one of them was highlighted in the section Editor's Choice of Science Magazine ("Why the "Y" in the Venusian sky?", Science 20 February 2015: Vol. 347 no. 6224 p. 837). I have been awarded with observing time at NASA's infrared telescope IRTF in Mauna Kea (Hawaii, USA), allowing me to also acquire experience in ground-based observations. I also participated in 10 R&D projects funded through competitive calls, being the Principal Investigator for the project "Characterizing the atmospheric dynamics of Venus with Akatsuki and Venus Express" (funded by JAXA's ITYF with ¥12,500,000 during 5 years). I reviewed 14 articles from international journals (ref. Publons) and participated in numerous/varied outreach and dissemination activities, involving 38 talks, 4 popular science articles and 30 media interviews.



Javier Peralta Calvillo

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Current professional situation

Start date: 01/04/2020

Type of contract: Unemployed

Primary (UNESCO code): 210403 - Planetary atmospheres; 210407 - Planets; 220504 - Fluid mechanics; 220904 - Emission spectroscopy; 220909 - Infrared radiation; 220921 - Spectroscopy; 220922 - Ultra-violet radiation; 220923 - Visible radiation; 220990 - Digital Treatment. Images; 250106 - Atmospheric dynamics; 250110 - Atmospheric structure; 250112 - Atmospheric turbulence; 250114 - Cloud physics; 250121 - Numerical modelling; 250916 - Satellite meteorology

Identify key words: Atmospheric composition; Atmospheric circulation; Atmospheric disturbances; Earth atmosphere; Geology, atmosphere and oceans

Previous positions and activities

	Employing entity	Professional category	Start date
1	Japan Aerospace Exploration Agency (JAXA)	Assistant Professor	01/04/2015
2	Instituto de Astrofísica de Andalucía	Postdoctoral Researcher	01/02/2013
3	Fundação para a Ciência e a Tecnologia (FCT), Lisboa (PORTUGAL)	Postdoctoral Researcher	01/02/2010
4	Instituto de Astrofísica de Andalucía	Postdoctoral Researcher	01/08/2009
5	Universidad del País Vasco	PhD Researcher	01/08/2007

- 1** **Employing entity:** Japan Aerospace Exploration Agency (JAXA) **Type of entity:** Public Research Body
Department: Department of Solar System Sciences, Institute of Space and Astronautical Science (ISAS)
City employing entity: Sagamihara, Japan
Professional category: Assistant Professor **Educational Management (Yes/No):** No
Email: javier.peralta@ac.jaxa.jp
Start-End date: 01/04/2015 - 31/03/2020 **Duration:** 5 years
Type of contract: Temporary
Dedication regime: Full time
Performed tasks: Research position (equivalent to Assistant Professor) funded by JAXA's International Top Young Fellowship (ITYF) for a period of 5 years. The main aim for this

position is carrying out a deep study of the general circulation of the atmosphere of Venus and elucidate/constrain the mechanisms for the generation and maintenance of its atmospheric superrotation. To achieve this, a joint analysis of the data from the past space mission Venus Express (ESA) and the ongoing Japanese mission Akatsuki (JAXA) was carried out.

Field of management activity: Public Research Body

- 2** **Employing entity:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency

City employing entity: Granada, Andalusia, Spain

Professional category: Postdoctoral Researcher

Start-End date: 01/02/2013 - 17/12/2014 **Duration:** 684 days

Type of contract: Temporary employment contract

Dedication regime: Full time

Performed tasks: Postdoctoral position where I developed the theoretical description of waves in slowly rotating planets with atmospheric superrotation, as well as collaborated in other topics. Detailed achievements are: [1] Improvements of the work devoted to the extraction of analytical solutions for atmospheric waves on Venus (see Publications), [2] Deduction of an equatorial Kelvin-like wave which satisfactorily describes several characteristics of Venus's Y-feature (see Publications), [3] Cloud-tracking wind measurements in VEx/VIRTIS-M images in order to test the consistency with simultaneous Doppler-shift measurements made with CFHT/ESPaDOnS (see Publications), [4] Cloud-tracking measurements and physical interpretation of long-term study of the winds on Venus with VIRTIS-M at three wavelengths (see Publications), and [5] derivation of vertical profiles of atmospheric temperature in the upper atmosphere of Venus by means of the "non Local Thermodynamic Equilibrium" infrared emissions from the CO (see Publications).

- 3** **Employing entity:** Fundação para a Ciência e a Tecnologia (FCT), Lisboa (PORTUGAL) **Type of entity:** State agency

Department: Centro de Astronomia e Astrofísica da Universidade de Lisboa (CAAUL)

City employing entity: Lisboa, Lisboa, Portugal

Professional category: Postdoctoral Researcher

Start-End date: 01/02/2010 - 31/01/2013 **Duration:** 3 years

Type of contract: Temporary employment contract

Dedication regime: Full time

Performed tasks: Postdoctoral position supervised by Dr. David Luz during which I carried out my first works as independent researcher, mainly analyzing Venus Express data and developing a new theory to describe atmospheric waves in Venus's cyclostrophic regime. Detailed achievements: [1] Improvement of the navigation in images taken by the VEX/VMC instrument, [2] First-time detection and characterization of Solar Tides in the polar winds of Venus and deduction of a theoretical relation between tidal amplitudes in temperature and winds (see Publications), [3] Theoretical approach to the dispersion relation for the many different spatial-scales in the atmospheric waves of Venus (see Publications), [4] Study of the influence of the Solar activity on the thermosphere of Mars (see Publications), and [5] IDL routines for navigation and analysis of IR spectra obtained by the instrument VEX/SOIR.

- 4** **Employing entity:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency

City employing entity: Granada, Andalusia, Spain

Professional category: Postdoctoral Researcher

Start-End date: 01/08/2009 - 31/01/2010 **Duration:** 180 days

Type of contract: Temporary employment contract

Dedication regime: Full time

Performed tasks: Postdoctoral contract for a collaboration with Dr. Miguel Ángel López-Valverde to study the NLTE dayside emissions using data from the European mission Venus Express (see Publications). Detailed achievements: [1] Routine in IDL for systematic analysis of the complete



spectra dataset from VEX/VIRTIS, and [2] Analysis of "non Local Thermodynamic Equilibrium" emissions with nadir and limb observations. Comparison with a "non Local Thermodynamic Equilibrium" model.

5 **Employing entity:** Universidad del País Vasco **Type of entity:** University

City employing entity: Bilbao, Basque Country, Spain

Professional category: PhD Researcher

Start date: 01/08/2007

Duration: 730 days

Type of contract: Temporary employment contract

Dedication regime: Full time

Performed tasks: PhD Fellowship to carry out a thesis on Venus atmospheric dynamics under the supervision of Drs. Agustín Sánchez-Lavega and Ricardo Hueso. Detailed achievements: [1] Improvement of the IDL software PLIA (Planetary Laboratory for Image Analysis), created by Dr. Ricardo Hueso (see Publications), [2] Measurement and analysis of the winds at different altitudes of the cloud region in Venus, using images taken by Galileo/SSI and VEX/VIRTIS (see Publications), [3] Study of the atmospheric turbulence at the cloud tops of Venus with images taken by Galileo/SSI (see Publications), and [4] Detection and characterization of the mesoscale gravity waves as observed at different altitudes of the cloud region of Venus with images taken by VEX/VIRTIS (see Publications).



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree

Name of qualification: Degree in Physics / Astrophysics

City degree awarding entity: La Laguna, Canary Islands, Spain

Degree awarding entity: Universidad de La Laguna **Type of entity:** University

Date of qualification: 01/07/2003

Average mark: Pass

Doctorates

Doctorate programme: PhD / Doctorate

Degree awarding entity: Universidad del País Vasco **Type of entity:** University

City degree awarding entity: Bilbao, Basque Country, Spain

Date of degree: 24/03/2009

DEA awarding entity: Universidad del País Vasco

Date DEA was awarded: 12/09/2007

European doctorate: Yes

Date of certificate: 24/03/2009

Thesis title: Vientos, Turbulencia y Ondas en las Nubes de Venus

Thesis director: Agustín Sánchez Lavega

Thesis co-director: Ricardo Hueso Alonso

Obtained qualification: Highest (Cum Laude)

Recognition of quality: No

Special doctorate award: Yes

Date of award: 08/09/2011

Other postgraduate university studies

Type of education: Postgraduate

Postgraduate qualification: Diploma of Advanced Studies in Planetary Atmospheres

City degree awarding entity: Bilbao, Basque Country, Spain

Degree awarding entity: Universidad del País Vasco **Type of entity:** University

Faculty, institute or centre: Escuela Técnica Superior de Ingeniería de Bilbao

Date of qualification: 12/09/2007

Obtained qualification: Highest

Standardised degree: Yes



Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1** **Type of training:** Course
Training title: IAA-CSIC Severo Ochoa School on Machine Learning, Big Data, and Deep Learning in Astronomy (SOMACHINE 2020)
City awarding entity: Granada, Andalusia, Spain
Awarding entity: Instituto de Astrofísica de Andalucía **Type of entity:** State agency
Training manager: Rainer Schödel
End date: 27/11/2020 **Duration in hours:** 24 hours
- 2** **Type of training:** Course
Training title: Curso de Iniciação às Observações Astronómicas (Initiation to Astronomical Observations)
City awarding entity: Lisbon, Portugal
Awarding entity: Faculdade de Ciências da Universidade de Lisboa **Type of entity:** University Centres and Structures and Associated Bodies
Training manager: João Retre
End date: 02/07/2012 **Duration in hours:** 11 hours
- 3** **Type of training:** Course
Training title: ESA SPICE Workshop
City awarding entity: Villanueva de la Cañada, Community of Madrid, Spain
Awarding entity: European Space Agency (ESA)
Aims of the entity: Course for learning to use NASA's routines for navigation with SPICE kernels
End date: 19/04/2012 **Duration in hours:** 25 hours
- 4** **Training title:** Climatología dinámica (Dynamical Climatology)
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 2006 **Duration in hours:** 75 hours
- 5** **Training title:** Detección de radiación óptica: principios e instrumentación (Sensing Optical Radiation: principles and instrumentation)
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 2006 **Duration in hours:** 75 hours
- 6** **Training title:** Elaboración de modelos estadísticos para fluidos en aplicaciones medioambientales (Design of Statistical Models for Fluids in environmental applications)
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 2006 **Duration in hours:** 75 hours
- 7** **Training title:** Física de fluidos (Physics of Fluids)
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 2006 **Duration in hours:** 75 hours
- 8** **Training title:** Herramientas de programación usando el sistema operativo UNIX (Programming Tools using UNIX)
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 2006 **Duration in hours:** 50 hours



- 9 Training title:** Mecánica de Fluidos Avanzada para Ingeniería (Advanced Fluid Mechanics for Ingeniering)
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 2006 **Duration in hours:** 75 hours
- 10 Training title:** Reconocimiento de formas y tratamiento de imágenes (Shape Recognition and Image Processing)
Awarding entity: Universidad del País Vasco **Type of entity:** University
End date: 2006 **Duration in hours:** 75 hours
- 11 Type of training:** Course
Training title: Astrobiología: Marte y la Vida (Astrobiology: Mars and Life)
City awarding entity: Aranjuez, Community of Madrid, Spain
Awarding entity: Fundación Universidad Rey Juan Carlos **Type of entity:** University Centres and Structures and Associated Bodies
Aims of the entity: Summer course about Astrobiology in the Solar System
Training manager: Juan Pérez Mercader
End date: 23/07/2004 **Duration in hours:** 20 hours
- 12 Type of training:** Course
Training title: Evolución del Universo (Evolution of the Universe)
City awarding entity: Baeza, Andalusia, Spain
Awarding entity: Universidad Internacional de Andalucía **Type of entity:** University
Aims of the entity: Summer course in Sede Antonio Machado de Baeza to teach and discuss about basic concepts of the Universe and the Solar System
End date: 19/09/2003 **Duration in hours:** 30 hours

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Portuguese	B2	B2	B2	B2	B2
English	C1	C1	C1	C1	C1
Spanish	C2	C2	C2	C2	C2

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Cloud tracking of Venus' nightside using Venus Express/VIRTIS data
Type of project: Master's Degree Thesis
Co-director of thesis: Javier Peralta
Entity: The University of Tokyo **Type of entity:** University
City of entity: Tokyo, Japan
Student: Masayuki Omino
Obtained qualification: Master's Degree
Date of reading: 03/2017



2 **Project title:** Cloud tracking of Venus' polar region using Venus Express/VIRTIS data
Type of project: Master's thesis
Co-director of thesis: Javier Peralta
Entity: The University of Tokyo
City of entity: Tokyo, Japan
Student: Keishiro Muto
Obtained qualification: Master's Degree
Date of reading: 03/2017

3 **Project title:** Classificação dos Fenómenos Atmosféricos em imagens de Vénus
Type of project: End of course project
Co-director of thesis: Javier Peralta
Entity: Universidade de Lisboa **Type of entity:** University
City of entity: Lisboa, Lisboa, Portugal
Student: José Ricardo Rua Gonçalves Pereira
Obtained qualification: Highest
Date of reading: 19/07/2012

Teaching experience in courses and seminars for university teacher training

1 **Type of event:** Seminar
Name of the event: The complex features and dynamics of the middle and lower clouds of Venus as revealed by Akatsuki [STP Seminar]
City organizing entity: Sagamihara, Japan
Organising entity: Institute of Space and Astronautical Science (ISAS/JAXA) **Type of entity:** Public Research Body
Aims of the course: Introduce last research results about observations of the middle and lower clouds of Venus.
Target group profile: Postdoc and PhD researchers
Hours of teaching: 1 **Teaching language:** English
Teaching date: 05/03/2019
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes

2 **Type of event:** Seminar
Name of the event: Clouds' morphologies and winds at the nightside of Venus in Akatsuki/IR2 images [Atmospheric Seminar]
City organizing entity: Sagamihara, Japan
Organising entity: Institute of Space and Astronautical Science (ISAS/JAXA) **Type of entity:** Public Research Body
Aims of the course: Show last results about winds on the nightside deeper clouds of Venus.
Target group profile: Postdoc and PhD researchers
Hours of teaching: 1 **Teaching language:** English
Teaching date: 25/10/2018
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes

3 **Type of event:** Seminar
Name of the event: The Equatorial Travelling Shock observed by AKATSUKI's IR2 and IR1 cameras [Atmospheric Seminar]
City organizing entity: Sagamihara, Japan



Organising entity: Institute of Space and Astronautical Science (ISAS/JAXA) **Type of entity:** Public Research Body

Aims of the course: Discovery of potential traveling shock in Akatsuki images of Venus

Target group profile: Postdoc and PhD researchers

Hours of teaching: 1

Teaching language: English

Teaching date: 18/12/2017

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

4 Type of event: Seminar

Name of the event: Hot News from the Hot Venus [Seminarios no IA]

City organizing entity: Lisboa, Lisboa, Portugal

Organising entity: Instituto de Astrofísica e Ciências do Espaço (IA) **Type of entity:** Public Research Body

Aims of the course: Update of Akatsuki results about Venus

Target group profile: Postdoc and PhD researchers

Hours of teaching: 1

Teaching language: English

Teaching date: 10/10/2017

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

5 Type of event: Seminar

Name of the event: Introducing an IDL software to work with the images of Venus [Atmospheric Seminar]

City organizing entity: Sagamihara, Japan

Organising entity: Institute of Space and Astronautical Science (ISAS/JAXA) **Type of entity:** Public Research Body

Aims of the course: Usage of software for planetary sciences

Target group profile: Postdoc and PhD researchers

Hours of teaching: 1

Teaching language: English

Teaching date: 28/10/2016

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

6 Type of event: Seminar

Name of the event: Slowly moving cloud features challenge Venus's night side superrotation [STP Seminar]

City organizing entity: Sagamihara, Japan

Organising entity: Institute of Space and Astronautical Science (ISAS/JAXA) **Type of entity:** Public Research Body

Aims of the course: Present research work about stationary waves of Venus

Target group profile: Postdoc and PhD researchers

Hours of teaching: 1

Teaching language: English

Teaching date: 28/06/2016

Type of participation: Participatory - oral communication

Corresponding author: Yes

7 Type of event: Seminar

Name of the event: WTF (Winds Tend to Fall) in the night of Venus? [Atmospheric Seminar]

City organizing entity: Sagamihara, Japan

Organising entity: Institute of Space and Astronautical Science (ISAS/JAXA) **Type of entity:** Public Research Body

Aims of the course: Present research work about the chaotic winds at the nightside upper clouds of Venus

Target group profile: Postdoc and PhD researchers

Hours of teaching: 1

Teaching language: English

Teaching date: 20/01/2016

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

8 **Type of event:** Seminar

Name of the event: Tools to classify the Venus atmospheric waves to be found with Akatsuki [Atmospheric Seminar]

City organizing entity: Sagamihara, Japan

Organising entity: Institute of Space and Astronautical Science (ISAS/JAXA) **Type of entity:** Public Research Body

Aims of the course: Explain tools to classify waves on Venus

Target group profile: Postdoc and PhD researchers

Hours of teaching: 1

Teaching language: English

Teaching date: 22/07/2015

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

9 **Type of event:** Seminar

Name of the event: Hot news from hot Venus [Space Science Colloquium]

City organizing entity: Sagamihara, Japan

Organising entity: Institute of Space and Astronautical Science (ISAS/JAXA)

Aims of the course: The present status of research about Venus

Target group profile: Postdoc and PhD researchers

Hours of teaching: 1

Teaching language: English

Teaching date: 20/05/2015

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

10 **Type of event:** Seminar

Name of the event: Towards a general classification of atmospheric waves on Venus [Seminarios no CAAUL]

City organizing entity: Lisboa, Lisboa, Portugal

Organising entity: Centro de Astronomia e Astrofísica da Universidade de Lisboa (CAAUL)

Aims of the course: Methods to classify the atmospheric waves of Venus

Target group profile: Postdoc and PhD researchers

Hours of teaching: 1

Teaching language: English

Teaching date: 24/05/2013

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

11 **Type of event:** Seminar

Name of the event: Towards a general classification of atmospheric waves on Venus [Seminarios IAA]

City organizing entity: Granada, Andalusia, Spain

Organising entity: Instituto de Astrofísica de Andalucía **Type of entity:** State agency

Target group profile: Postdoc and PhD Researchers

Hours of teaching: 1

Teaching language: Spanish

Teaching date: 14/03/2013

Type of participation: Participatory - oral communication

Corresponding author: Yes



12 **Type of event:** Seminar
Name of the event: A theoretical approach to atmospheric waves in Venus [Seminars at LMD]
City organizing entity: Paris, France
Organising entity: Laboratoire de Météorologie Dynamique (Université Pierre & Marie Curie)
Aims of the course: A theoretical approach to atmospheric waves in Venus
Target group profile: PhD and Postdoctoral Researchers
Hours of teaching: 1 **Teaching language:** English
Teaching date: 13/11/2012
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes

13 **Type of event:** Seminar
Name of the event: Basic Knowledge of IDL [Seminarios IAA]
City organizing entity: Granada, Andalusia, Spain
Organising entity: Instituto de Astrofísica de Andalucía **Type of entity:** State agency
Target group profile: PhD students and other Researchers
Hours of teaching: 1 **Teaching language:** Spanish
Teaching date: 01/2010
Type of participation: Participatory - oral communication
Corresponding author: Yes

14 **Type of event:** Jornadas de puertas abiertas UPV/EHU
Name of the event: Practical lessons for Undergraduate Students
City organizing entity: Bilbao, Basque Country, Spain
Organising entity: Universidad del País Vasco **Type of entity:** University
Target group profile: Undergraduate students
Teaching language: Spanish
Teaching date: 02/2009

Participation in conferences with talks focused on teacher training

Name of the event: Space Education in-house Training
Type of event: Workshop
City of event: Sagamihara, Japan
Organising entity: JAXA Space Education Center **Type of entity:** Associations and Groups

Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Planetas – Rumbo à Compreensão da circulação geral das suas Atmosferas
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Researcher
Entity where project took place: Faculdade de Ciências da Universidade de Lisboa
Type of entity: University Centres and Structures and Associated Bodies
City of entity: Lisbon, Lisboa, Portugal
Name principal investigator (PI, Co-PI...): Pedro Miguel Borges do Canto Mota Machado; Gabriella Gilli; Nuno Miguel Cardoso Santos; Pedro Ricardo Lourenço Figueiras; Jorge Humberto Costa Martins; Olivier Demangeon; Agustín Sánchez Lavega; Javier Peralta Calvillo; Sebastien Lebonnois; Francois Forget; Thomas Widemann; Stephen Bougher; Amanda Bretch; João Nuno Cardoso Travassos Retrê; Paulo Jorge Texeira Pereira; Ruben Henrique Machado Gonçalves; Miguel Gonçalves Simões Silva; José Eduardo Oliveira Silva
Nº of researchers: 18
Funding entity or bodies: Fundação para a Ciência e a Tecnologia (FCT)
Type of entity: Public Research Body
City funding entity: Lisboa, Lisboa, Portugal
Type of participation: Team member
Name of the programme: FCT/MCTES (PIDDAC)
Code according to the funding entity: PTDC/FIS-AST/29942/2017
Start-End date: 03/09/2018 - 31/08/2021
Total amount: 219.731 €
- 2** **Name of the project:** Characterizing the atmospheric dynamics of Venus with Akatsuki and Venus Express
Identify key words: Atmosphere; Venus; Solar system; Geology, atmosphere and oceans; Planetary physics including the Earth and the solar system
Identify key words: Atmosphere; Venus; Solar system; Geology, atmosphere and oceans; Planetary physics including the Earth and the solar system
Type of project: Basic research (including archaeological digs, etc)
Geographical area: Non EU International
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Institute of Space and Astronautical Science (ISAS)
City of entity: Sagamihara, Japan
Name principal investigator (PI, Co-PI...): Javier Peralta Calvillo
Nº of researchers: 1
Nª people/year: 1
Funding entity or bodies: Japan Aerospace Exploration Agency (JAXA)
Type of entity: Public Research Body
Type of participation: Principal investigator
Name of the programme: International Top Young Fellowship (ITYF)
Start-End date: 01/04/2015 - 31/03/2020
Duration: 5 years
Participating entity/entities: Institute of Space and Astronautical Science, ISAS (???????)
Total amount: 491.860 €



Relevant results: Up to date, I published 7 articles as first author (1 Nature Astronomy, 1 Astrophysical Journal Supplement Series, and 2 Geophysical Research Letters) and co-authored 10 publications (1 Nature Geoscience, 1 Astrophysical Journal Letter).

Dedication regime: Full time

- 3** **Name of the project:** Dinámica, Nubes y Aerosoles en Atmósferas Planetarias
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Researcher
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Basque Country, Spain
Name principal investigator (PI, Co-PI....): Agustín Sánchez Lavega; Ricardo Hueso Alonso
Nº of researchers: 10
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Public
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Working Team member
Code according to the funding entity: AYA2015-65041-P
Start-End date: 01/01/2016 - 31/12/2019 **Duration:** 3 years
Total amount: 154.800 €
Dedication regime: Part time

- 4** **Name of the project:** CONTEMPLA: Composition and Temperature in Planetary Atmospheres
Degree of contribution: Researcher
Entity where project took place: Instituto de Astrofísica de Andalucía **Type of entity:** State agency
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Manuel López-Puertas; Maya García-Comas
Nº of researchers: 12
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Public
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Working Team member
Code according to the funding entity: ESP2014-54362-P
Start-End date: 01/01/2015 - 31/12/2017
Total amount: 226.200 €
Dedication regime: Part time

- 5** **Name of the project:** INSPIRA: Investigación de Atmósferas Planetarias mediante Radiaciones Infrarrojas
Degree of contribution: Researcher
Entity where project took place: Instituto de Astrofísica de Andalucía **Type of entity:** State agency
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Manuel López Puertas
Nº of researchers: 13
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Public
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Working Team member
Code according to the funding entity: AYA2011-23552



Start-End date: 01/01/2012 - 31/12/2014

Total amount: 326.700 €

Dedication regime: Part time

- 6** **Name of the project:** Caracterização da Dinâmica da Atmosfera de Vénus
Degree of contribution: Researcher
Entity where project took place: Centro de Astronomia e Astrofísica da Universidade de Lisboa **Type of entity:** University
City of entity: Lisboa, Lisboa, Portugal
Name principal investigator (PI, Co-PI....): David Luz; Javier Peralta Calvillo; Sarah Chamberlain; Pedro Machado; David Berry; Alberto Negrão; Thomas Widemann; Sébastien Lebonnois
Nº of researchers: 8
Funding entity or bodies: Fundação para a Ciência e a Tecnologia (FCT) **Type of entity:** Public Research Body
City funding entity: Lisboa, Lisboa, Portugal
Type of participation: Team member
Code according to the funding entity: PTDC/CTE-AST/110702/2009
Start-End date: 01/01/2011 - 31/12/2012
Total amount: 87.000 €
Dedication regime: Part time

- 7** **Name of the project:** Estudio de las atmósferas planetarias
Degree of contribution: Researcher
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Basque Country, Spain
Name principal investigator (PI, Co-PI....): Agustín Sánchez Lavega; José Félix Rojas Palenzuela; Ricardo Hueso Alonso; Santiago Pérez Hoyos; Jon Legarreta Etxagibel; Enrique García Melendo; Naiara Barrado Izagirre; Javier Peralta Calvillo
Nº of researchers: 8
Funding entity or bodies: Gobierno Vasco **Type of entity:** Public
City funding entity: Spain
Type of participation: Team member
Code according to the funding entity: IT-464-07
Start-End date: 01/01/2007 - 31/12/2012
Total amount: 163.622,59 €
Dedication regime: Part time

- 8** **Name of the project:** SPRING: Sondeo de atmósferas Planetarias mediante Radiaciones INfrarrojas Globales
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Instituto de Astrofísica de Andalucía **Type of entity:** State agency
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Manuel López Puertas
Nº of researchers: 11
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Public
City funding entity: Madrid, Community of Madrid, Spain



Type of participation: Working Team member
Code according to the funding entity: AYA2008-03498/ESP
Start-End date: 01/01/2009 - 31/12/2011
Total amount: 408.980 €
Dedication regime: Full time

- 9** **Name of the project:** Dinámica, Meteorología y Nubes en las atmósferas de Venus, Júpiter y Saturno
Degree of contribution: Researcher
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Basque Country, Spain
Name principal investigator (PI, Co-PI...): Agustín Sánchez Lavega; Augusto Santiago Baeza Aguado; José Félix Rojas Palenzuela; Ricardo Hueso Alonso; Jesús Arregui Bengoa; Jon Josu Legarreta Etxagibel; Santiago Pérez Hoyos; Javier Peralta Calvillo; Naiara Barrado Izagirre; Enrique García Melendo
Nº of researchers: 10
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Public
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Team member
Code according to the funding entity: AYA2006-07735
Start-End date: 01/10/2006 - 30/09/2009
Total amount: 218.042 €
Dedication regime: Part time

- 10** **Name of the project:** Subvención general a Grupos de Investigación (Grupo Atmósferas Planetarias)
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union
Degree of contribution: Researcher
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Basque Country, Spain
Name principal investigator (PI, Co-PI...): Agustín Sánchez Lavega
Nº of researchers: 8
Funding entity or bodies: Universidad del País Vasco **Type of entity:** University
City funding entity: Bilbao, Basque Country, Spain
Start-End date: 01/01/2005 - 31/12/2007
Total amount: 50.000 €
Dedication regime: Part time



Scientific and technological activities

Scientific production

H index: 17

Date of application: 24/01/2021

Fuente de Índice H: SCOPUS

Publications, scientific and technical documents

- 1** Javier Peralta; Agustín Sánchez Lavega; Miguel Ángel López Valverde; David Luz; Pedro Machado. Venus's major cloud feature as an equatorially trapped wave distorted by the wind. *Geophysical Research Letters*. 42 - 3, pp. 705 - 711. (United States of America): Wiley-Blackwell, 16/02/2015. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1002/2014GL062280/full>>. ISSN 00948276

DOI: 10.1002/2014GL062280

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: JCR

Impact index in year of publication: 4.212

Position of publication: 13

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 184

Citations: 22

Relevant results: Work selected for the cover of *Geophysical Research Letters*, Volume 42, Issue 3. URL = <https://agupubs.onlinelibrary.wiley.com/toc/19448007/2015/42/3> Highlighted in Editor's Choice of Science Magazine: "Why the "Y" in the Venusian sky?" *Science*, vol. 347, issue 6224. URL = <https://science.sciencemag.org/content/347/6224/837.6> Highlighted as AGU Research Spotlight: "New Atmospheric Wave May Shape Venus's Clouds" *EOS Earth & Space Science News*. URL = <https://eos.org/research-spotlights/new-atmospheric-wave-may-shape-venuss-clouds> Highlighted in Mapping Ignorance: "An "Y" drawn on the clouds of Venus". URL = <https://mappingignorance.org/2015/03/02/a-y-drawn-on-the-clouds-of-venus/>

Reviews in journals: 3

Relevant publication: Yes

- 2** J. Peralta; R. Hueso; A. Sánchez-Lavega; Y. J. Lee; A. García-Muñoz; T. Kouyama; H. Sagawa; T. M. Sato; G. Piccioni; S. Tellmann; T. Imamura; T. Satoh. Stationary waves and slowly moving features in the night upper clouds of Venus. *Nature Astronomy*. 1, pp. 0187. (United Kingdom): NATURE PUBLISHING GROUP, 24/07/2017. Available on-line at: <<https://www.nature.com/articles/s41550-017-0187>>. ISSN 2397-3366

DOI: 10.1038/s41550-017-0187

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 12

Impact source: JCR

Impact index in year of publication: 10.5

Position of publication: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 69

**Source of citations:** SCOPUS**Citations:** 24**Relevant results:** Highlighted in "News and Views" of Nature Astronomy: "Venus: Tickling the clouds" Nature Astronomy, 1, 0198 (2017), doi:10.1038/s41550-017-0198).**Reviews in journals:** 1**Relevant publication:** Yes

- 3** Takeshi Horinouchi; Shin-ya Murakami; Takehiko Satoh; Javier Peralta; Kazunori Ogohara; Toru Kouyama; Takeshi Imamura; Hiroki Kashimura; Sanjay S. Limaye; Kevin McGouldrick; Masato Nakamura; Takao M. Sato; Ko-ichiro Sugiyama; Masahiro Takagi; Shigeto Watanabe; Manabu Yamada; Atsushi Yamazaki; Eliot F. Young. Equatorial jet in the lower to middle cloud layer of Venus revealed by Akatsuki. Nature Geoscience. 10 - 9, pp. 646 - 651. (United Kingdom): NATURE PUBLISHING GROUP, 28/08/2017. Available on-line at: <<https://www.nature.com/articles/ngeo3016>>. ISSN 1752-0894

DOI: 10.1038/ngeo3016**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 18**Impact source:** JCR**Impact index in year of publication:** 14.391**Position of publication:** 1**Source of citations:** SCOPUS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Earth and Planetary Sciences (miscellaneous)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 190**Citations:** 19**Relevant results:** Highlighted in section "News and Views" of Nature Geoscience ("Venus: Jet-setting atmosphere" Nature Geoscience, 10, 622-623 (2017), doi:10.1038/ngeo3022).**Reviews in journals:** 1**Relevant publication:** Yes

- 4** J. Peralta; K. Muto; R. Hueso; T. Horinouchi; A. Sánchez-Lavega; S. Murakami; P. Machado; E. F. Young; Y. J. Lee; T. Kouyama; H. Sagawa; K. McGouldrick; T. Satoh; T. Imamura; S. S. Limaye; T. M. Sato; K. Ogohara; M. Nakamura; D. Luz. Nightside Winds at the Lower Clouds of Venus with Akatsuki/IR2: Longitudinal, local time and decadal variations from comparison with previous measurements. Astrophysical Journal Supplement Series. 239 - 2, pp. 29. Institute of Physics Publishing, 07/12/2018. Available on-line at: <<http://iopscience.iop.org/article/10.3847/1538-4365/aae844>>. ISSN 0067-0049

DOI: 10.3847/1538-4365/aae844**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 19**Impact source:** SJR**Impact index in year of publication:** 8.311**Position of publication:** 7**Source of citations:** SCOPUS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Earth and Planetary Sciences (miscellaneous)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 69**Citations:** 8**Relevant results:** This work was highlighted by: - Press Release at Japan Aerospace Exploration Agency (JAXA) HQs [<http://fanfun.jaxa.jp/jaxatv/detail/13591.html>] - ISAS/JAXA [<http://www.isas.jaxa.jp/topics/001985.html>] - COSMOS blog with article "Akatsuki seeks the source of Venus's extreme weather". - MANY WORLDS blog with article "The Gale Winds of Venus Suggest How Locked Exoplanets Could Escape a Fate of Extreme Heat and Brutal Cold".**Reviews in journals:** 4**Relevant publication:** Yes



- 5** J. Peralta; N. Iwagami; A. Sánchez-Lavega; Y. J. Lee; R. Hueso; M. Narita; T. Imamura; P. Miles; A. Wesley; E. Kardasis; S. Takagi. Morphology and dynamics of Venus's middle clouds with Akatsuki/IR1. *Geophysical Research Letters*. 46 - 5, pp. 2399 - 2407. (United States of America): Wiley-Blackwell, 22/02/2019. Available on-line at: <<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2018GL081670>>. ISSN 0094-8276

DOI: 10.1029/2018GL081670

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 11

Impact source: JCR

Impact index in year of publication: 4.578

Position of publication: 14

Source of citations: SCOPUS

Relevant results: Work selected for the cover of *Geophysical Research Letters*: URL = <https://agupubs.onlinelibrary.wiley.com/toc/19448007/2019/46/5> Highlighted by AGU blogs: URL = <https://blogs.agu.org/geospace/2019/04/29/new-research-takes-deeper-look-at-venuss-clouds/>

Reviews in journals: 1

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 196

Citations: 1

- 6** Takeshi Horinouchi; Yoshi-Yuki Hayashi; Shigeto Watanabe; Manabu Yamada; Atsushi Yamazaki; Toru Kouyama; Makoto Taguchi; Tetsuya Fukuhara; Masahiro Takagi; Kazunori Ogohara; Shin-ya Murakami; Javier Peralta; Sanjay S. Limaye; Takeshi Imamura; Masato Nakamura; Takao M. Sato; Takehiko Satoh. How waves and turbulence maintain the super-rotation of Venus' atmosphere. *Science*. 368 - 6489, pp. 405 - 409. AAAS, 24/04/2020. Available on-line at: <<https://science.sciencemag.org/content/368/6489/405>>. ISSN 0036-8075

DOI: 10.1126/science.aaz4439

Type of production: Scientific paper

Position of signature: 12

Total no. authors: 17

Impact source: SCOPUS

Impact index in year of publication: 15.32

Position of publication: 1

Source of citations: SCOPUS

Reviews in journals: 1

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Multidisciplinary

Journal in the top 25%: Yes

No. of journals in the cat.: 91

Citations: 3

- 7** J. Peralta; T. Navarro; C. W. Vun; A. Sánchez-Lavega; K. McGouldrick; T. Horinouchi; T. Imamura; R. Hueso; J. P. Boyd; G. Schubert; T. Kouyama; T. Satoh; N. Iwagami; E. F. Young; M. A. Bullock; P. Machado; Y. J. Lee; S. S. Limaye; M. Nakamura; S. Tellmann; A. Wesley; P. Miles. A Long-Lived Sharp Disruption on the Lower Clouds of Venus. *Geophysical Research Letters*. 47 - 11, pp. e2020GL087221 - e2020GL087221. Wiley, 27/05/2020. Available on-line at: <<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2020GL087221>>.

DOI: 10.1029/2020GL087221

arXiv: 2005.13540

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 22

Relevant results: This work was highlighted by: - Press Release from Japan Aerospace Exploration Agency (JAXA) [<http://www.isas.jaxa.jp/en/topics/002413.html>] - Press Release from NASA [<https://solarsystem.nasa.gov/>]

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes



news/1413/giant-cloud-disruption-unnoticed-for-35-years-discovered-on-venus/] - Press Release from IA (Portugal) [<https://divulgacao.iaastro.pt/en/2020/08/05/decades-long-deep-giant-cloud-disruption-discovered-on-venus/>]. - Wide media coverage.

Relevant publication: Yes

- 8** A. Sánchez-Lavega; A. García-Muñoz; T. del Río-Gaztelurrutia; S. Perez-Hoyos; J. F. Sanz-Requena; R. Hueso; S. Guerlet; J. Peralta. Multilayer hazes over Saturn's Hexagon from Cassini ISS limb images. *Nature Communications*. 11 - 2281, *Nature*, 08/05/2020. Available on-line at: <<https://www.nature.com/articles/s41467-020-16110-1>>. ISSN 2041-1723

DOI: 10.1038/s41467-020-16110-1

Type of production: Scientific paper

Position of signature: 8

Total no. authors: 8

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Citations: 1

- 9** Ruben Gonçalves; Pedro Machado; Thomas Widemann; Javier Peralta; Shigeto Watanabe; Atsushi Yamazaki; Takehiko Satoh; Masahiro Takagi; Kazunori Ogohara; Yeon Joo Lee; Avet Harutyunyan; José Silva. Venus' cloud top wind study: Coordinated Akatsuki/UVI with cloud tracking and TNG/HARPS-N with Doppler velocimetry observations. *Icarus*. 335, pp. 113418. (United States of America): Elsevier, 01/01/2020. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0019103519302775>>. ISSN 0019-1035

DOI: 10.1016/j.icarus.2019.113418

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 12

Impact source: JCR

Impact index in year of publication: 3.565

Position of publication: 21

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 69

Citations: 1

- 10** Yeon Joo Lee; Kandis-Lea Jessup; Santiago Pérez-Hoyos; Dmitrij V. Titov; Sebastien Lebonnois; Javier Peralta; Takeshi Horinouchi; Takeshi Imamura; Sanjay Limaye; Emmanuel Marcq; Masahiro Takagi; Atsushi Yamazaki; Manabu Yamada; Shigeto Watanabe; Shin-ya Murakami; Kazunori Ogohara; William M. McClintock; Gregory Holsclaw; Anthony Roman. Long-term variations of Venus' 365-nm albedo observed by Venus Express, Akatsuki, MESSENGER, and Hubble Space Telescope. *Astronomical Journal*. 158 - 3, pp. 126. (United States of America): Institute of Physics Publishing, 09/07/2019. Available on-line at: <<https://iopscience.iop.org/article/10.3847/1538-3881/ab3120>>. ISSN 0004-6256

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 19

Impact source: JCR

Impact index in year of publication: 5.497

Position of publication: 14

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 69

Citations: 5



- 11** Javier Peralta; Agustín Sánchez-Lavega; Takeshi Horinouchi; Kevin McGouldrick; Itziar Garate-Lopez; Eliot F. Young; Mark A. Bullock; Yeon Joo Lee; Takeshi Imamura; Takehiko Satoh; Sanjay S. Limaye. New cloud morphologies discovered on the Venus's night during Akatsuki. *Icarus*. 333, pp. 177 - 182. (United States of America): Elsevier, 30/05/2019. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0019103518304056>>. ISSN 0019-1035
DOI: 10.1016/j.icarus.2019.05.026
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 11
Impact source: JCR
Impact index in year of publication: 3.565
Position of publication: 21
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Earth and Planetary Sciences (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 69
Citations: 6
- 12** Sanjay S. Limaye; Shigeto Watanabe; Atsushi Yamazaki; Manabu Yamada; Takehiko Satoh; Takao M. Sato; Masato Nakamura; Makoto Taguchi; Tetsuya Fukuhara; Takeshi Imamura; Toru Kouyama; Yeon Joo Lee; Takeshi Horinouchi; Javier Peralta; Naomoto Iwagami; George L. Hashimoto; Seiko Takagi; Shoko Ohtsuki; Shin-ya Murakami; Yukio Yamamoto; Kazunori Ogohara; Hiroki Ando; Ko-ichiro Sugiyama; Nobuaki Ishii; Takumi Abe; Chikako Hirose; Makoto Suzuki; Naru Hirata; Eliot F. Young; Adriana C. Ocampo. Venus looks different from day to night across wavelengths: morphology from Akatsuki multispectral images. *Earth, Planets and Space*. 70, pp. 24. (Japan): Springeropen, 24/01/2018. Available on-line at: <<https://earth-planets-space.springeropen.com/articles/10.1186/s40623-018-0789-5>>. ISSN 18805981
DOI: 10.1186/s40623-018-0789-5
Type of production: Scientific paper
Position of signature: 14
Total no. authors: 30
Impact source: JCR
Impact index in year of publication: 2.736
Position of publication: 62
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Earth and Planetary Sciences (miscellaneous)
Journal in the top 25%: No
No. of journals in the cat.: 196
Citations: 16
- 13** S. Pérez-Hoyos; A. Sánchez-Lavega; A. García-Muñoz; J. Peralta; G. Holsclaw; W. M. McClintock; J. F. Sanz-Requena. Venus upper clouds and the UV-absorber from MESSENGER/MASCS observations. *Journal of Geophysical Research: Planets*. 123 - 1, pp. 145 - 162. Wiley-Blackwell, 23/01/2018. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1002/2017JE005406/full>>. ISSN 2169-9097
DOI: 10.1002/2017JE005406
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 7
Impact source: JCR
Impact index in year of publication: 3.969
Position of publication: 15
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Earth and Planetary Sciences (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 84

**Source of citations:** SCOPUS**Citations:** 12**Relevant publication:** Yes

- 14** Takeshi Horinouchi; Toru Kouyama; Yeon Joo Lee; Shin-ya Murakami; Kazunori Ogohara; Masahiro Takagi; Takeshi Imamura; Kensuke Nakajima; Javier Peralta; Atsushi Yamazaki; Manabu Yamada; Shigeto Watanabe. Mean winds at the cloud top of Venus obtained from two-wavelength UV imaging by Akatsuki. *Earth, Planets and Space*. 70, pp. 10. (Japan): Springeropen, 15/01/2018. Available on-line at: <<https://earth-planets-space.springeropen.com/articles/10.1186/s40623-017-0775-3>>. ISSN 18805981
DOI: 10.1186/s40623-017-0775-3

Type of production: Scientific paper**Position of signature:** 9**Total no. authors:** 12**Impact source:** JCR**Impact index in year of publication:** 2.736**Position of publication:** 62**Source of citations:** SCOPUS**Relevant publication:** Yes**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Earth and Planetary Sciences (miscellaneous)**Journal in the top 25%:** No**No. of journals in the cat.:** 196**Citations:** 25

- 15** Takeshi Horinouchi; Shin-ya Murakami; Takehiko Satoh; Javier Peralta; Kazunori Ogohara; Toru Kouyama; Takeshi Imamura; Hiroki Kashimura; Sanjay S. Limaye; Kevin McGouldrick; Masato Nakamura; Takao M. Sato; Ko-ichiro Sugiyama; Masahiro Takagi; Shigeto Watanabe; Manabu Yamada; Atsushi Yamazaki; Eliot F. Young. Corrigendum: Equatorial jet in the lower to middle cloud layer of Venus revealed by Akatsuki. *Nature Geoscience*. 10 - 10, pp. 798 - 798. (United Kingdom): NATURE PUBLISHING GROUP, 03/10/2017. Available on-line at: <<https://www.nature.com/articles/ngeo3034>>. ISSN 1752-0894
DOI: 10.1038/ngeo3034

Type of production: Scientific paper**Position of signature:** 4**Total no. authors:** 18**Impact source:** JCR**Impact index in year of publication:** 14.391**Position of publication:** 1**Relevant publication:** Yes**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 190

- 16** J. Peralta; Y. J. Lee; K. McGouldrick; H. Sagawa; A. Sanchez-Lavega; T. Imamura; T. Widemann; M. Nakamura. Overview of useful spectral regions for Venus: An update to encourage observations complementary to the Akatsuki mission. *Icarus*. 288, pp. 235 - 239. (United States of America): Elsevier, 15/05/2017. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0019103516305851>>. ISSN 0019-1035
DOI: 10.1016/j.icarus.2017.01.027

Type of production: Scientific paper**Position of signature:** 1**Total no. authors:** 8**Impact source:** JCR**Impact index in year of publication:** 2.981**Position of publication:** 24**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Earth and Planetary Sciences (miscellaneous)**Journal in the top 25%:** No**No. of journals in the cat.:** 66

Source of citations: SCOPUS

Citations: 13

Relevant publication: Yes

- 17** J. Peralta; Y. J. Lee; R. Hueso; R. T. Clancy; B. J. Sandor; A. Sánchez-Lavega; E. Lellouch; M. Rengel; P. Machado; M. Omino; A. Piccialli; T. Imamura; T. Horinouchi; S. Murakami; K. Ogohara; D. Luz; D. Peach. Venus's winds and temperatures during the MESSENGER's flyby: An approximation to a three-dimensional instantaneous state of the atmosphere. *Geophysical Research Letters*. 44 - 8, pp. 3907 - 3915. (United States of America): Wiley-Blackwell, 28/04/2017. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1002/2017GL072900/full>>. ISSN 00948276

DOI: 10.1002/2017GL072900

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 17

Impact source: JCR

Impact index in year of publication: 4.339

Position of publication: 11

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 190

Citations: 11

- 18** Pedro Machado; Thomas Widemann; Javier Peralta; Ruben Gonçalves; Jean-François Donati; David Luz. Venus cloud-tracked and doppler velocimetry winds from CFHT/ESPaDOnS and Venus Express/VIRTIS in April 2014. *Icarus*. 285, pp. 8 - 26. (United States of America): Elsevier, 15/03/2017. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0019103516304328>>. ISSN 0019-1035

DOI: 10.1016/j.icarus.2016.12.017

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: JCR

Impact index in year of publication: 2.981

Position of publication: 24

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: No

No. of journals in the cat.: 66

Citations: 11

- 19** A. Sánchez-Lavega; J. Peralta; J. M. Gomez-Forellad; R. Hueso; S. Pérez-Hoyos; I. Mendikoa; J. F. Rojas; T. Horinouchi; Y. J. Lee; S. Watanabe. Venus Cloud Morphology and Motions from Ground-based Images at the Time of the Akatsuki Orbit Insertion. *Astrophysical Journal Letters*. 833 - 1, pp. L7 - L7. (United States of America): Institute of Physics Publishing, 01/12/2016. Available on-line at: <<http://iopscience.iop.org/article/10.3847/2041-8205/833/1/L7/meta>>. ISSN 20418205

DOI: 10.3847/2041-8205/833/1/L7

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 10

Impact source: JCR

Impact index in year of publication: 5.522

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: Yes

**Position of publication:** 8**No. of journals in the cat.:** 63**Source of citations:** SCOPUS**Citations:** 10**Relevant publication:** Yes

- 20** Masato Nakamura; Takeshi Imamura; Nobuaki Ishii; Takumi Abe; Yasuhiro Kawakatsu; Chikako Hirose; Takehiko Satoh; Makoto Suzuki; Munetaka Ueno; Atsushi Yamazaki; Naomoto Iwagami; Shigeto Watanabe; Makoto Taguchi; Tetsuya Fukuhara; Yukihiro Takahashi; Manabu Yamada; Masataka Imai; Shoko Ohtsuki; Kazunori Uemizu; George L. Hashimoto; Masahiro Takagi; Yoshihisa Matsuda; Kazunori Ogohara; Naoki Sato; Yasumasa Kasaba; Toru Kouyama; Naru Hirata; Ryosuke Nakamura; Yukio Yamamoto; Takeshi Horinouchi; Masaru Yamamoto; Yoshi-Yuki Hayashi; Hiroki Kashimura; Ko-ichiro Sugiyama; Takeshi Sakanoi; Hiroki Ando; Shin-ya Murakami; Takao M. Sato; Seiko Takagi; Kensuke Nakajima; Javier Peralta; Yeon Joo Lee; Junichi Nakatsuka; Tsutomu Ichikawa; Kozaburo Inoue; Tomoaki Toda; Hiroyuki Toyota; Sumitaka Tachikawa; Shinichiro Narita; Tomoko Hayashiyama; Akiko Hasegawa; Yukio Kamata. AKATSUKI returns to Venus. *Earth, Planets and Space*. 68 - 1, pp. 75 - 75. (Switzerland): Springeropen, 06/05/2016. Available on-line at: <<https://link.springer.com/article/10.1186/s40623-016-0457-6>>. ISSN 18805981

DOI: 10.1186/s40623-016-0457-6**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 41**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 52**Corresponding author:** No**Impact source:** JCR**Category:** Earth and Planetary Sciences (miscellaneous)**Impact index in year of publication:** 2.243**Journal in the top 25%:** No**Position of publication:** 72**No. of journals in the cat.:** 188**Source of citations:** SCOPUS**Citations:** 56**Relevant publication:** Yes

- 21** J. Peralta; M.A. López-Valverde; G. Gilli; A. Piccialli. Dayside temperatures in the Venus upper atmosphere from Venus Express/VIRTIS nadir measurements at 4.3 um. *Astronomy and Astrophysics*. 585, pp. A53 - A53. (France): EDP Sciences, 01/01/2016. Available on-line at: <https://www.aanda.org/articles/aa/full_html/2016/01/aa27191-15/aa27191-15.html>. ISSN 14320746

DOI: 10.1051/0004-6361/201527191**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 4**Corresponding author:** Yes**Impact source:** JCR**Category:** Earth and Planetary Sciences (miscellaneous)**Impact index in year of publication:** 5.014**Journal in the top 25%:** Yes**Position of publication:** 10**No. of journals in the cat.:** 63**Source of citations:** SCOPUS**Citations:** 12**Relevant publication:** Yes

- 22** Giovanna Tinetti; Pierre Drossart; Paul Eccleston; Paul Hartogh; Kate Isaak; Martin Linder; Christophe Lovis; Giusi Micela; Marc Ollivier; Ludovic Puig; Ignasi Ribas; Ignas Snellen; Bruce Swinyard; France Allard; Joanna Barstow; James Cho; Athena Coustenis; Charles Cockell; Alexandre Correia; Leen Decin; Remco de Kok; Pieter Deroo; Therese Encrenaz; Francois Forget; Alistair Glasse; Caitlin Griffith; Tristan Guillot; Tommi Koskinen; Helmut Lammer; Jeremy Leconte; Pierre Maxted; Ingo Mueller-Wodarg; Richard Nelson; Chris North; Enric Pallé; Isabella Pagano; Giuseppe Piccioni; David Pinfield; Franck Selsis; Alessandro Sozzetti; Lars Stixrude; Jonathan Tennyson; Diego Turrini; Mariarosa Zapatero-Osorio; Jean-Philippe Beaulieu; Denis Grodent; Manuel Guedel; David Luz; Hans Ulrik Norgaard-Nielsen; Tom Ray; Hans Rickman; Avri Selig; Mark Swain; Marek Banaszekiewicz;



Mike Barlow; Neil Bowles; Graziella Branduardi-Raymont; Vincent Coudé du Foresto; Jean-Claude Gerard; Laurent Gizon; Allan Hornstrup; Christopher Jarchow; Franz Kerschbaum; Géza Kovacs; Pierre-Olivier Lagage; Tanya Lim; Mercedes Lopez-Morales; Giuseppe Malaguti; Emanuele Pace; Enzo Pascale; Bart Vandenbussche; Gillian Wright; Gonzalo Ramos Zapata; Alberto Adriani; Ruymán Azzollini; Anaand Bryson Ian Balado; Raymond Burston; Josep Colomé; Martin Crook; Anna Di Giorgio; Matt Griffin; Ruud Hoogeveen; Roland Ottensamer; Ranah Irshad; Kevin Middleton; Gianluca Morgante; Frederic Pinsard; Mirek Rataj; Jean-Michel Reess; Giorgio Savini; Jan-Rutger Schrader; Richard Stamper; Berend Winter; L. Abe; M. Abreu; N. Achilleos; P. Ade; V. Adybekian; L. Affer; C. Agnor; M. Agundez; C. Alard; J. Alcalá; C. Allende Prieto; F. J. Alonso Floriano; F. Altieri; C. A. Alvarez Iglesias; P. Amado; A. Andersen; A. Aylward; C. Baffa; G. Bakos; P. Ballerini; M. Banaszekiewicz; R. J. Barber; D. Barrado; E. J. Barton; V. Batista; G. Bellucci; J. A. Belmonte Avilés; D. Berry; B. Bézard; D. Biondi; M. Blecka; I. Boisse; B. Bonfond; P. Bordé; P. Börner; H. Bouy; L. Brown; L. Buchhave; J. Budaj; A. Bulgarelli; M. Burleigh; A. Cabral; M. T. Capria; A. Cassan; C. Cavarroc; C. Cecchi-Pestellini; R. Cerulli; J. Chadney; S. Chamberlain; S. Charnoz; N. Christian Jessen; A. Ciaravella; A. Claret; R. Claudi; A. Coates; R. Cole; A. Collura; D. Cordier; E. Covino; C. Danielski; M. Damasso; H. J. Deeg; E. Delgado-Mena; C. Del Vecchio; O. Demangeon; A. De Sio; J. De Wit; M. Dobrićević; P. Doel; C. Dominic; E. Dorfi; S. Eales; C. Eiroa; M. Espinoza Contreras; M. Esposito; V. Eymet; N. Fabrizio; M. Fernández; B. Femenía Castella; P. Figueira; G. Filacchione; L. Fletcher; M. Focardi; S. Fossey; P. Fouqué; J. Frith; M. Galand; L. Gambicorti; P. Gaulme; R. J. García López; A. García-Piquer; W. Gear; J. C. Gerard; L. Gesa; E. Giani; F. Gianotti; M. Gillon; E. Giro; M. Giuranna; H. Gomez; I. Gomez-Leal; J. Gonzalez Hernandez; B. González Merino; R. Graczyk; D. Grassi; J. Guardia; P. Guio; J. Gustin; P. Hargrave; J. Haigh; E. Hébrard; U. Heiter; R. L. Heredero; E. Herrero; F. Hersant; D. Heyrovsky; M. Hollis; B. Hubert; R. Hueso; G. Israelian; N. Iro; P. Irwin; S. Jacquemoud; G. Jones; H. Jones; K. Justtanont; T. Kehoe; F. Kerschbaum; E. Kerins; P. Kervella; D. Kipping; T. Koskinen; N. Krupp; O. Lahav; B. Laken; N. Lanza; E. Lellouch; G. Leto; J. Licandro Goldaracena; C. Lithgow-Bertelloni; S. J. Liu; U. Lo Cicero; N. Lodieu; P. Lognonné; M. Lopez-Puertas; M. A. Lopez-Valverde; I. Lundgaard Rasmussen; A. Luntzer; P. Machado; C. MacTavish; A. Maggio; J.-P. Maillard; W. Magnes; J. Maldonado; U. Mall; J.-B. Marquette; P. Mäskopf; F. Massi; A.-S. Maurin; A. Medvedev; C. Michaut; P. Miles-Paez; M. Montalto; P. Montañés Rodríguez; M. Monteiro; D. Montes; H. Morais; J. C. Morales; M. Morales-Calderón; G. Morello; A. Moro Martín; J. Moses; A. Moya Bedon; F. Murgas Alcaino; E. Oliva; G. Orton; F. Palla; M. Pancrazzi; E. Pantin; V. Parmentier; H. Parviainen; K. Y. Peña Ramírez; J. Peralta; S. Perez-Hoyos; R. Petrov; S. Pezzuto; R. Piet... . The EChO science case. *Experimental Astronomy*. 40 - 2-3, pp. 329 - 391. (Holland): Kluwer Academic Publishers, 01/12/2015. Available on-line at: <<https://link.springer.com/article/10.1007/s10686-015-9484-8>>. ISSN 1572-9508

DOI: 10.1007/s10686-015-9484-8

Type of production: Scientific paper

Position of signature: 276

Total no. authors: 355

Impact source: JCR

Impact index in year of publication: 2.867

Position of publication: 21

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: No

No. of journals in the cat.: 62

Citations: 9

- 23** R. Hueso; J. Peralta; I. Garate-Lopez; T. V. Bandos; A. Sánchez-Lavega. Six years of Venus winds at the upper cloud level from UV, visible and near infrared observations from VIRTIS on Venus Express. *Planetary and Space Science*. 113-114, pp. 78 - 99. (Holland): Elsevier BV, 01/08/2015. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0032063314004024>>. ISSN 00320633

DOI: 10.1016/j.pss.2014.12.010

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 5

Impact source: JCR

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Earth and Planetary Sciences (miscellaneous)



Impact index in year of publication: 1.942
Position of publication: 32

Source of citations: SCOPUS

Relevant publication: Yes

Journal in the top 25%: No
No. of journals in the cat.: 62

Citations: 31

- 24** G. Gilli; M. A. López-Valverde; J. Peralta; S. Bougher; A. Brecht; P. Drossart; G. Piccioni. Carbon monoxide and temperature in the upper atmosphere of Venus from VIRTIS/Venus Express non-LTE limb measurements. *Icarus*. 248, pp. 478 - 498. (United States of America): Elsevier, 01/03/2015. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0019103514006137>>. ISSN 0019-1035

DOI: 10.1016/j.icarus.2014.10.047

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 5

Impact source: JCR

Impact index in year of publication: 3.383

Position of publication: 19

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: No

No. of journals in the cat.: 62

Citations: 16

- 25** P. Machado; T. Widemann; D. Luz; J. Peralta. Wind circulation regimes at Venus' cloud tops: Ground-based Doppler velocimetry using CFHT/ESPaDOnS and comparison with simultaneous cloud tracking measurements using VEx/VIRTIS in February 2011. *Icarus*. 243, pp. 249 - 263. (United States of America): Elsevier, 15/11/2014. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0019103514004461>>. ISSN 0019-1035

DOI: 10.1016/j.icarus.2014.08.030

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: JCR

Impact index in year of publication: 3.038

Position of publication: 20

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: No

No. of journals in the cat.: 60

Citations: 13

- 26** J. Peralta; T. Imamura; P. L. Read; D. Luz; A. Piccialli; M. A. López-Valverde. Analytical solution for Waves in planets with atmospheric superrotation. I. Acoustic and Inertia-Gravity Waves. *Astrophysical Journal Supplement Series*. 213 - 1, pp. 17. Institute of Physics Publishing, 03/07/2014. Available on-line at: <<http://iopscience.iop.org/0067-0049/213/1/17>>. ISSN 0067-0049

DOI: 10.1088/0067-0049/213/1/17

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 6

Impact source: JCR

Impact index in year of publication: 11.215

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: Yes

**Position of publication:** 4**Source of citations:** SCOPUS**Relevant publication:** Yes**No. of journals in the cat.:** 60**Citations:** 10

- 27** J. Peralta; T. Imamura; P. L. Read; D. Luz; A. Piccialli; M. A. López-Valverde. Analytical solution for Waves in planets with atmospheric superrotation. II. Lamb, Surface and Centrifugal Waves. *Astrophysical Journal Supplement Series*. 213 - 1, pp. 18. (United States of America): Institute of Physics Publishing, 03/07/2014. Available on-line at: <<http://iopscience.iop.org/0067-0049/213/1/18>>. ISSN 0067-0049

DOI: 10.1088/0067-0049/213/1/18**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 6**Impact source:** JCR**Impact index in year of publication:** 11.215**Position of publication:** 4**Source of citations:** SCOPUS**Relevant publication:** Yes**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Earth and Planetary Sciences (miscellaneous)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 60**Citations:** 12

- 28** A. Piccialli; D. V. Titov; A. Sanchez-Lavega; J. Peralta; O. Shalygina; W. J. Markiewicz; H. Svedhem. High latitude gravity waves at the Venus cloud tops as observed by the Venus Monitoring Camera on board Venus Express. *Icarus*. 227, pp. 94 - 111. Elsevier, 01/01/2014. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0019103513003928>>. ISSN 0019-1035

DOI: 10.1016/j.icarus.2013.09.012**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 7**Impact source:** JCR**Impact index in year of publication:** 3.038**Position of publication:** 20**Source of citations:** SCOPUS**Relevant publication:** Yes**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Earth and Planetary Sciences (miscellaneous)**Journal in the top 25%:** No**No. of journals in the cat.:** 60**Citations:** 27

- 29** I. Garate-Lopez; R. Hueso; A. Sánchez-Lavega; J. Peralta; G. Piccioni; P. Drossart. A chaotic long-lived vortex at the southern pole of Venus. *Nature Geoscience*. 6, pp. 254 - 257. (United Kingdom): Nature Publishing Group, 21/01/2013. Available on-line at: <<https://www.nature.com/articles/ngeo1764>>. ISSN 17520908

DOI: 10.1038/ngeo1764**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 6**Impact source:** JCR**Impact index in year of publication:** 11.668**Position of publication:** 1**Source of citations:** SCOPUS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Earth and Planetary Sciences (miscellaneous)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 174**Citations:** 26



Relevant publication: Yes

- 30** P. Withers; K. Fallows; Z. Girazian; M. Matta; B. Häusler; D. Hinson; L. Tyler; D. Morgan; M. Pätzold; K. Peter; S. Tellmann; J. Peralta; O. Witasse. A clear view of the multifaceted dayside ionosphere of Mars. *Geophysical Research Letters*. 39, pp. 18202 - 18202. (United States of America): Wiley-Blackwell, 18/09/2012. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1029/2012GL053193/abstract>>. ISSN 0094-8276

DOI: 10.1029/2012GL053193

Type of production: Scientific paper

Position of signature: 12

Total no. authors: 13

Impact source: JCR

Impact index in year of publication: 3.982

Position of publication: 11

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 172

Citations: 35

- 31** J. Peralta; D. Luz; D. L. Berry; C. C. C. Tsang; A. Sánchez-Lavega; R. Hueso; G. Piccioni; P. Drossart. Solar migrating atmospheric tides in the winds of the polar region of Venus. *Icarus*. 220, pp. 958 - 970. (United States of America): Elsevier, 08/2012. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0019103512002448>>. ISSN 0019-1035

DOI: 10.1016/j.icarus.2012.06.015

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 8

Impact source: JCR

Impact index in year of publication: 3.161

Position of publication: 18

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: No

No. of journals in the cat.: 56

Citations: 22

- 32** R. Hueso; J. Peralta; A. Sánchez-Lavega. Assessing the long-term variability of Venus winds at cloud level from VIRTIS-Venus Express. *Icarus*. 217, pp. 585 - 598. (United States of America): Elsevier, 02/2012. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0019103511001552>>. ISSN 0019-1035

DOI: 10.1016/j.icarus.2011.04.020

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 3

Impact source: JCR

Impact index in year of publication: 3.161

Position of publication: 18

Source of citations: SCOPUS

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Earth and Planetary Sciences (miscellaneous)

Journal in the top 25%: No

No. of journals in the cat.: 56

Citations: 51



- 33** R. Hueso; J. Legarreta; J. F. Rojas; J. Peralta; S. Pérez-Hoyos; T. Del Río-Gaztelurrutia; A. Sánchez-Lavega. The Planetary Laboratory for Image Analysis (PLIA). *Advances in Space Research*. 46, pp. 1120 - 1138. (United Kingdom): Elsevier Ltd., 01/11/2010. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0273117710003480>>. ISSN 02731177
DOI: 10.1016/j.asr.2010.05.016
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 7
Impact source: JCR
Impact index in year of publication: 1.076
Position of publication: 37
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Astronomy and Astrophysics
Journal in the top 25%: No
No. of journals in the cat.: 55
Citations: 30
- 34** J. Peralta. Winds, turbulence and waves in the clouds of Venus. *Planetary and Space Science*. 58, pp. 882 - 883. Elsevier BV, 04/2010. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0032063310000176>>. ISSN 00320633
DOI: 10.1016/j.pss.2010.01.005
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 1
Impact source: JCR
Impact index in year of publication: 2.344
Position of publication: 24
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - ASTRONOMY & ASTROPHYSICS
Journal in the top 25%: No
No. of journals in the cat.: 55
Citations: 1
- 35** Javier Peralta; Ricardo Hueso; Agustín Sánchez-Lavega; Giuseppe Piccioni; Orietta Lanciano; Pierre Drossart. Characterization of mesoscale gravity waves in the upper and lower clouds of Venus from VEX-VIRTIS images. *Journal of Geophysical Research: Planets*. 113 - E12, pp. E00B18. (United States of America): Wiley-Blackwell, 01/12/2008. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1029/2008JE003185/abstract>>. ISSN 2169-9097
DOI: 10.1029/2008JE003185
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 3.147
Position of publication: 11
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - GEOSCIENCES, MULTIDISCIPLINARY
Journal in the top 25%: Yes
No. of journals in the cat.: 144
Citations: 49

- 36** A. Sánchez-Lavega; R. Hueso; G. Piccioni; P. Drossart; J. Peralta; S. Pérez-Hoyos; C. F. Wilson; F. W. Taylor; K. H. Baines; D. Luz; S. Erard; S. Lebonnois. Variable winds on Venus mapped in three dimensions. *Geophysical Research Letters*. 35, pp. 13204 - 13204. (United States of America): Wiley-Blackwell, 07/2008. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1029/2008GL033817/abstract>>. ISSN 0094-8276
DOI: 10.1029/2008GL033817
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 12
Impact source: JCR
Impact index in year of publication: 2.959
Position of publication: 17
Source of citations: SCOPUS
Citations: 98
Relevant results: This publication made the cover in *Geophysical Research Letters*.
Relevant publication: Yes
- 37** J. Peralta; R. Hueso; A. Sánchez-Lavega. A reanalysis of Venus winds at two cloud levels from Galileo SSI images. *Icarus*. 190, pp. 469 - 477. 10/2007. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S001910350700156X>>. ISSN 0019-1035
DOI: 10.1016/j.icarus.2007.03.028
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 3
Impact source: JCR
Impact index in year of publication: 2.869
Position of publication: 15
Source of citations: SCOPUS
Citations: 56
Relevant publication: Yes
- 38** J. Peralta; R. Hueso; A. Sánchez-Lavega. Cloud brightness distribution and turbulence in Venus using Galileo violet images. *Icarus*. 188, pp. 305 - 314. (United States of America): Elsevier, 06/2007. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0019103506004490>>. ISSN 0019-1035
DOI: 10.1016/j.icarus.2006.12.005
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 3
Impact source: JCR
Impact index in year of publication: 2.869
Position of publication: 15
Source of citations: SCOPUS
Citations: 20
Relevant publication: Yes
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Earth and Planetary Sciences (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 144
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Earth and Planetary Sciences (miscellaneous)
Journal in the top 25%: No
No. of journals in the cat.: 48
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Earth and Planetary Sciences (miscellaneous)
Journal in the top 25%: No
No. of journals in the cat.: 48

- 39** M. López-Puertas; J.M. Flaud; J. Peralta; B. Funke; S. Gil-López. NO+ fundamental and first hot ro-vibrational line frequencies from MIPAS/Envisat atmospheric spectra. *Journal of Molecular Spectroscopy*. 237, pp. 218 - 224. (United States of America): Elsevier, 06/2006. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0022285206000889>>. ISSN 00222852
DOI: 10.1016/j.jms.2006.03.015
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 5
Impact source: JCR
Impact index in year of publication: 1.260
Position of publication: 25
Source of citations: SCOPUS
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - SPECTROSCOPY
Journal in the top 25%: No
No. of journals in the cat.: 39
Citations: 5
- 40** Javier Peralta. Venus' Ocean of Air and Clouds. *The Planetary Report*. 39 - 3, pp. 14 - 18. The Planetary Society, 03/09/2019. Available on-line at: <<http://www.planetary.org/blogs/guest-blogs/2019/venus-ocean-of-air-and-clouds.html>>. ISSN 0736-3680
Type of production: Popular science article
Degree of contribution: Author or co-author of scientific or technical document for the general public
Total no. authors: 1
Format: Journal
Corresponding author: Yes
- 41** Javier Peralta. Road to the first star: Venus orbiter from Japan (37) – Akatsuki to complete the puzzle of the deeper winds of Venus –. *Planetary People - The Japanese Society for Planetary Sciences*. 28 - 1, pp. 77 - 79. (Japan): The Japanese Society for Planetary Sciences, 01/03/2019. Available on-line at: <https://www.jstage.jst.go.jp/article/yuseijin/28/1/28_77/_article/-char/en>. ISSN 0918-273X
DOI: 10.14909/yuseijin.28.1_77
Type of production: Popular science article
Position of signature: 1
Total no. authors: 1
Format: Journal
Degree of contribution: Author or co-author of article in journal without external admissions assessment committee
Corresponding author: Yes
- 42** Javier Peralta. An "Y" drawn on the clouds of Venus. *Mapping Ignorance*. Universidad del País Vasco, 02/03/2015. Available on-line at: <<https://mappingignorance.org/2015/03/02/a-y-drawn-on-the-clouds-of-venus/>>. ISSN 2529-8992
Type of production: Popular science article
Position of signature: 1
Total no. authors: 1
Degree of contribution: Author or co-author of scientific or technical document for the general public
Corresponding author: Yes
- 43** Javier Peralta. Venus: un puzzle cubierto de nubes. *Información y Actualidad Astronómica (IAA)*. 40, pp. 23 - 23. Granada, Andalusia(Spain): 07/2013. Available on-line at: <<http://www-revista.iaa.es/40/venus%E2%80%88un-puzle-cubierto-de-nubes>>. ISSN 1576-5598
Legal deposit: GR-605-2000
Type of production: Popular science article
Corresponding author: Yes
- 44** J. Peralta; M. A. Lopez-Valverde; G. Gilli; A. Piccialli. *VizieR Online Data Catalog: Horizontal temperature at Venus upper atmosphere (Peralta+, 2016)*. *VizieR Online Data Catalog*. J/A+A/585/A53, 11/2015. Available on-line at: <<http://vizier.u-strasbg.fr/viz-bin/VizieR?-source=J/A+A/585/A53>>. **DOI:** 10.26093/cds/vizier

ADS: 2015yCat..35850053P

Type of production: Online Data Catalog

Position of signature: 1

Total no. authors: 4

Format: Journal

Corresponding author: Yes

- 45** O. Lanciano; G. Piccioni; R. Hueso; A. Sánchez-Lavega; J. Peralta. Dynamics of the Venus atmosphere from a Fourier-transform analysis. *Memorie della Societa Astronomica Italiana Supplementi*. 16, pp. 134 - 134. 2011. Available on-line at: <<http://sait.oat.ts.astro.it/MSAIS/16/PDF/134.pdf>>. ISSN 18240178

Type of production: Conference Paper

Position of signature: 5

Total no. authors: 5

Format: Scientific and technical document or report

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

- 46** S. Pérez-Hoyos; A. Sánchez-Lavega; R. Hueso; J. Peralta; G. Holsclaw; W. McClintock. Venus Spectrophotometry during the MESSENGER Mission Fly-By. *Highlights of Spanish Astrophysics V*. 5, pp. 455 - 455. (Spain): Springer, 25/02/2010. Available on-line at: <http://link.springer.com/chapter/10.1007%2F978-3-642-11250-8_125>. ISBN 978-3-642-11249-2

DOI: 10.1007/978-3-642-11250-8_125

Type of production: Conference Paper

Position of signature: 4

Total no. authors: 6

Format: Book

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

- 47** R. Hueso; S. Pérez-Hoyos; A. Sánchez-Lavega; J. Peralta. The atmosphere of Venus: Winds and clouds observed by VIRTIS/Venus Express. *Lecture Notes and Essays in Astrophysics III*. 3, pp. 1 - 12. (Spain): Stanford Linear Accelerator Center (SLAC), 12/2008. Available on-line at: <<http://articles.adsabs.harvard.edu/full/seri/LNEA./0003/0000001.000.html>>. ISBN 9788493609801

Type of production: Conference Paper

Position of signature: 4

Total no. authors: 4

Source of citations: SCOPUS

Format: Book

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Citations: 1

- 48** Javier Peralta; Ricardo Hueso; Agustín Sánchez-Lavega. Atmospheric Turbulence in the Clouds of Venus. *Highlights of Spanish Astrophysics IV*. Elsevier, 2007. Available on-line at: <<http://www.ajax.ehu.es/grupo/Proceedings/2006.SEA.Peralta.pdf.gz>>.

Type of production: Conference Paper

Position of signature: 1

Total no. authors: 3

Format: Book

Corresponding author: Yes

Works submitted to national or international conferences

- 1** **Title of the work:** Amateur Ground-based Support of the first BepiColombo flyby of Venus
Name of the conference: Europlanet Science Congress 2020 (Virtual Meeting)
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Virtual Meeting, Spain
Date of event: 21/09/2020
End date: 09/10/2020
Organising entity: Europlanet Research Infrastructure

City organizing entity: Spain

Itziar Garate-Lopez; Ricardo Hueso; Yeon Joo Lee; Valeria Mangano; Kandis Lea Jessup; Javier Peralta; Agustín Sánchez-Lavega; Joe Zender; Johannes Benkhoff; Go Murakami; Manuel Scherf. "Garate-Lopez, I., Hueso, R., Lee, Y. J., Mangano, V., Jessup, K. L., Peralta, J., Sanchez-Lavega, A., Zender, J., Benkhoff, J., Murakami, G., and Scherf, M.: Amateur Ground-based Support of the first BepiColombo flyby of Venus, Europlanet Science Congress 2020, online, 21 September–9 Oct 2020, EPSC2020-1060, <https://doi.org/10.5194/epsc2020-1060>, 2020". Available on-line at: <https://meetingorganizer.copernicus.org/EPSC2020/EPSC2020-1060.html>.

DOI: 10.5194/epsc2020-1060

- 2 Title of the work:** Amateur observations of a planetary-scale wave in the middle clouds of Venus
Name of the conference: Europlanet Science Congress 2020 (Virtual Meeting)

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Virtual Meeting, Spain

Date of event: 21/09/2020

End date: 09/10/2020

Organising entity: Europlanet Research Infrastructure

City organizing entity: Spain

Emmanouil Kardasis; Javier Peralta; Grigoris Maravelias; Yaroslav Naryzhniy. "Kardasis, E., Peralta, J., Maravelias, G., and Naryzhniy, Y.: Amateur observations of a planetary-scale wave in the middle clouds of Venus, Europlanet Science Congress 2020, online, 21 September–9 Oct 2020, EPSC2020-712, <https://doi.org/10.5194/epsc2020-712>, 2020". Available on-line at: <https://meetingorganizer.copernicus.org/EPSC2020/EPSC2020-712.html>.

DOI: 10.5194/epsc2020-712

- 3 Title of the work:** Characterising atmospheric gravity waves on the lower cloud of Venus - A systematic study

Name of the conference: Europlanet Science Congress 2020 (Virtual Meeting)

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Virtual Meeting, Spain

Date of event: 21/09/2020

End date: 09/10/2020

Organising entity: Europlanet Research Infrastructure

City organizing entity: Spain

José Silva; Pedro Machado; Javier Peralta; Francisco Brasil. "ilva, J., Machado, P., Peralta, J., and Brasil, F.: Characterising atmospheric gravity waves on the lower cloud of Venus - A systematic study, Europlanet Science Congress 2020, online, 21 September–9 Oct 2020, EPSC2020-281, <https://doi.org/10.5194/epsc2020-281>, 2020". Available on-line at: <https://meetingorganizer.copernicus.org/EPSC2020/EPSC2020-281.html>.

DOI: 10.5194/epsc2020-281

- 4 Title of the work:** How waves and turbulence maintain the super-rotation of Venus' atmosphere - results from Akatsuki

Name of the conference: Europlanet Science Congress 2020 (Virtual Meeting)

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Virtual Meeting, Spain

Date of event: 21/09/2020

End date: 09/10/2020

Organising entity: Europlanet Research Infrastructure

City organizing entity: Spain

Takeshi Horinouchi; Yoshi-Yuki Hayashi; Shigeto Watanabe; Manabu Yamada; Atsushi Yamazaki; Toru Kouyama; Makoto Taguchi; Tetsuya Fukuhara; Masahiro Takagi; Kazunori Ogohara; Shin-ya Murakami; Javier Peralta; Sanjay S. Limaye; Takeshi Imamura; Masato Nakamura; Takao M. Sato; Takehiko Satoh. "Horinouchi, T., Hayashi, Y.-Y., Watanabe, S., Yamada, M., Yamazaki, A., Kouyama, T., Taguchi, M., Fukuhara, T., Takagi, M., Ogohara, K., Murakami, S., Peralta, J., Limaye, S. S., Imamura, T., Nakamura, M., Sato, T. M., and Satoh, T.: How waves and turbulence maintain the super-rotation of Venus' atmosphere – results from Akatsuki, Europlanet Science Congress 2020, online, 21 September–9 Oct 2020, EPSC2020-303, <https://doi.org/10.5194/epsc2020-303>, 2020". Available on-line at: <<https://meetingorganizer.copernicus.org/EPSC2020/EPSC2020-303.html>>.

DOI: 10.5194/epsc2020-303

5 Title of the work: Wavelet analysis of gravity waves on Venus using radio occultation temperature profiles

Name of the conference: Europlanet Science Congress 2020 (Virtual Meeting)

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Virtual Meeting, Spain

Date of event: 21/09/2020

End date: 09/10/2020

Organising entity: Europlanet Research Infrastructure

City organizing entity: Spain

Takeshi Imamura; Ryota Mori; Hiroki Ando; Javier Peralta; Bernd Häusler; Martin Pätzold; Silvia Tellmann. "Imamura, T., Mori, R., Ando, H., Peralta, J., Häusler, B., Pätzold, M., and Tellmann, S.: Wavelet analysis of gravity waves on Venus using radio occultation temperature profiles, Europlanet Science Congress 2020, online, 21 September–9 Oct 2020, EPSC2020-639, <https://doi.org/10.5194/epsc2020-639>, 2020". Available on-line at: <<https://meetingorganizer.copernicus.org/EPSC2020/EPSC2020-639.html>>.

DOI: 10.5194/epsc2020-639

6 Title of the work: 2020 Coordinated Venus Observations of BepiColombo (ESA and JAXA), Akatsuki (JAXA), and Ground-based Telescopes

Name of the conference: EPSC-DPS Joint Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Geneva, Switzerland

Date of event: 15/09/2019

End date: 20/09/2019

Organising entity: Europlanet Research Infrastructure & American Astronomical Society

City organizing entity: Geneva, Switzerland

Yeon Joo Lee; Jörn Helbert; Makoto Taguchi; Go Murakami; Eric Quémerais; Shigeto Watanabe; Alessandro Maturilli; Antonio García-Muñoz; Yusuke Nara; Takeshi Imamura; Atsushi Yamazaki; Manabu Yamada; Takao M. Sato; Takehiko Satoh; Johannes Benkhoff; Thomas Widemann; Valeria Mangano; Masataki Imai; Javier Peralta; Eliot Young; Pedro Machado; Therese Encrenaz; Masato Nakamura. "EPSC Abstracts, Vol. 13, EPSC-DPS2019-68, 2019".

7 Title of the work: Characterising Atmospheric Gravity Waves on Venus's lower and upper cloud banks using Venus Express VIRTIS and VMC data.

Name of the conference: EPSC-DPS Joint Meeting

Type of event: Conference

Type of participation: 'Participatory - poster



Corresponding author: No

City of event: Geneva, Switzerland

Date of event: 15/09/2019

End date: 20/09/2019

Organising entity: Europlanet Research Infrastructure & American Astronomical Society

City organizing entity: Geneva, Switzerland

José Silva; Pedro Machado; Javier Peralta; Gabriella Gilli; Ricardo Hueso; Francisco Brasil; Daniela Espadinha; Ruben Gonçalves; Miguel Silva. "EPSC Abstracts, Vol. 13, EPSC-DPS2019-144, 2019".

8 Title of the work: Cloud Characteristics and Trace Gas Abundances near Distinctive Nightside Cloud Features on Venus

Name of the conference: EPSC-DPS Joint Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Geneva, Switzerland

Date of event: 15/09/2019

End date: 20/09/2019

Organising entity: Europlanet Research Infrastructure & American Astronomical Society

City organizing entity: Geneva, Switzerland

Eliot Young; Mark Bullock; Yeon Joo Lee; Kevin McGouldrick; Javier Peralta; Constantine Tsang. "EPSC Abstracts, Vol. 13, EPSC-DPS2019-1332, 2019".

9 Title of the work: Cloud-top winds obtained from Akatsuki: three-year statistics of mean winds and momentum transport

Name of the conference: EPSC-DPS Joint Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Geneva, Switzerland

Date of event: 15/09/2019

End date: 20/09/2019

Organising entity: Europlanet Research Infrastructure & American Astronomical Society

City organizing entity: Geneva, Switzerland

Takeshi Horinouchi; T. Imamura; T. Kouyama; Y. J. Lee; S. S. Limaye; S. Murakami; K. Ogohara; J. Peralta; T. Satoh; M. Takagi; S. Watanabe; M. Yamada; A. Yamazaki. "EPSC Abstracts, Vol. 13, EPSC-DPS2019-208-1, 2019".

10 Title of the work: Intense decadal variations of Venus' UV albedo, and its impact on solar heating rate and atmospheric dynamics

Name of the conference: EPSC-DPS Joint Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Geneva, Switzerland

Date of event: 15/09/2019

End date: 20/09/2019

Organising entity: Europlanet Research Infrastructure & American Astronomical Society

City organizing entity: Geneva, Switzerland

Yeon Joo Lee; Kandis-Lea Jessup; Santiago Pérez-Hoyos; Dmitriy V. Titov; Sebastien Lebonnois; Javier Peralta; Takeshi Horinouchi; Takeshi Imamura; Sanjay Limaye; Emmanuel Marcq; Masahiro Takagi;



Atsushi Yamazaki; Manabu Yamada; Shigeto Watanabe; Shin-ya Murakami; Kazunori Ogohara; William M. McClintock; Gregory Holsclaw; Anthony Roman. "EPSC Abstracts, Vol. 13, EPSC-DPS2019-66, 2019".

- 11** **Title of the work:** Observational Analysis of Venus's Y-Feature and Its Relationship to Atmospheric Superrotation
Name of the conference: EPSC-DPS Joint Meeting
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Geneva, Switzerland
Date of event: 15/09/2019
End date: 20/09/2019
Organising entity: Europlanet Research Infrastructure & American Astronomical Society
City organizing entity: Geneva, Switzerland
Ryan M. McCabe; Kunio M. Sayanagi; John J. Blalock; Jacob L. Gunnarson; Javier Peralta; Candance L. Gray; Kevin McGouldrick; Takeshi Imamura; Shigeto Watanabe; Yeon Joo Lee. "EPSC Abstracts, Vol. 13, EPSC-DPS2019-1172, 2019".
- 12** **Title of the work:** Venus' atmosphere cloud tracked winds (283 and 385 nm): comparison with Doppler winds and GCM simulations
Name of the conference: EPSC-DPS Joint Meeting
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Geneva, Switzerland
Date of event: 15/09/2019
End date: 20/09/2019
Organising entity: Europlanet Research Infrastructure & American Astronomical Society
City organizing entity: Geneva, Switzerland
Pedro Machado; T. Widemann; J. Peralta; R. Gonçalves; G. Gilli; J. Silva; D. Espadinha. "EPSC Abstracts, Vol. 13, EPSC-DPS2019-131, 2019".
- 13** **Title of the work:** Venus' cloud top wind study: coordinated Akatsuki/UVI with cloud tracking and TNG/HARPS-N with Doppler velocimetry observations
Name of the conference: EPSC-DPS Joint Meeting
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Geneva, Switzerland
Date of event: 15/09/2019
End date: 20/09/2019
Organising entity: Europlanet Research Infrastructure & American Astronomical Society
City organizing entity: Geneva, Switzerland
Ruben Gonçalves; Pedro Machado; Thomas Widemann; Javier Peralta; Shigeto Watanabe; Atsushi Yamazaki; Takehiko Satoh; Masahiro Takagi; Kazunori Ogohara; Yeon Joo Lee; Avet Harutyunyan; José Silva. "EPSC Abstracts, Vol. 13, EPSC-DPS2019-145, 2019".
- 14** **Title of the work:** Venus's middle & low clouds during the Akatsuki mission
Name of the conference: EPSC-DPS Joint Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes



City of event: Geneva, Switzerland

Date of event: 15/09/2019

End date: 20/09/2019

Organising entity: Europlanet Research Infrastructure & American Astronomical Society

City organizing entity: Geneva, Switzerland

Javier Peralta; T. Satoh; N. Iwagami; A. Sánchez-Lavega; Y. J. Lee; T. Horinouchi; R. Hueso; K. McGouldrick; E. F. Young; M. A. Bullock; I. Garate-Lopez; P. Machado; T. Imamura; S. S. Limaye. "EPSC Abstracts, Vol. 13, EPSC-DPS2019-230, 2019".

15 Title of the work: Akatsuki's Ir2 Nightside Photometry Restoration by Deconvolution

Name of the conference: AOGS 16th Annual Meeting

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Singapore, Singapore

Date of event: 28/07/2019

End date: 02/08/2019

Organising entity: Asia Oceania Geosciences Society (AOGS)

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Choon Wei Vun; Takao Sato; Takehiko Satoh; Takeshi Horinouchi; Javier Peralta; Kevin McGouldrick. "PS18-A007".

16 Title of the work: Spatial and Temporal Variability of Venus Cloud Opacity as Viewed with Akatsuki IR2

Name of the conference: AOGS 16th Annual Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Singapore, Singapore

Date of event: 28/07/2019

End date: 02/08/2019

Organising entity: Asia Oceania Geosciences Society (AOGS)

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Takehiko Satoh; Takao Sato; Choon Wei Vun; Takeshi Horinouchi; Javier Peralta. "PS18-A017".

17 Title of the work: Akatsuki (cloud-tracking) and TNG/HARPS-N (Doppler velocimetry) coordinated wind measurements of cloud top Venus' atmosphere.

Name of the conference: International Venus Conference 2019

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Niseko, Japan

Date of event: 31/05/2019

End date: 03/06/2019

Organising entity: International Venus Science Community

Type of entity: Associations and Groups

With external admission assessment committee: Yes

R. Gonçalves; P. Machado; T. Widemann; J. Peralta; S. Watanabe; A. Yamazaki; T. Satoh; M. Takagi; K. Ogohara; Y. J. Lee; H. Avet; J. Silva. "IVC2019-0007". Available on-line at: <<https://www.cps-jp.org/~akatsuki/venus2019/>>.



- 18** **Title of the work:** Cloud morphology and wind measurements by the Akatsuki 1-um camera
Name of the conference: International Venus Conference 2019
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Niseko, Japan
Date of event: 31/05/2019
End date: 03/06/2019
Organising entity: International Venus Science **Type of entity:** Associations and Groups
Community
With external admission assessment committee: Yes
N. Iwagami; J. Peralta. "IVC2019-0010". Available on-line at:
<<https://www.cps-jp.org/~akatsuki/venus2019/>>.
- 19** **Title of the work:** Cytherometeorology
Name of the conference: International Venus Conference 2019
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Niseko, Japan
Date of event: 31/05/2019
End date: 03/06/2019
Organising entity: International Venus Science **Type of entity:** Associations and Groups
Community
With external admission assessment committee: Yes
K. McGouldrick; J. Peralta; C. C. Tsang; J. Barstow; T. Satoh. "IVC2019-0092". Available on-line at:
<<https://www.cps-jp.org/~akatsuki/venus2019/>>.
- 20** **Title of the work:** Intense Decadal Variation of Venus' UV Albedo and its Impacts on the Atmosphere
Name of the conference: International Venus Conference 2019
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation
talk
Corresponding author: No
City of event: Niseko, Japan
Date of event: 31/05/2019
End date: 03/06/2019
Organising entity: International Venus Science **Type of entity:** Associations and Groups
Community
With external admission assessment committee: Yes
Yeon Joo Lee; Kandis-Lea Jessup; Santiago Perez-Hoyos; Dmitriy V. Titov; Sebastien Lebonnois;
Javier Peralta; Takeshi Horinouchi; Takeshi Imamura; Sanjay Limaye; Emmanuel Marcq; Masahiro
Takagi; Atsushi Yamazaki; Manabu Yamada; Shigeto Watanabe; Shin-ya Murakami; Kazunori Ogohara;
William M. McClintock; Gregory Holsclaw; Anthony Roman. "IVC2019-003". Available on-line at:
<<https://www.cps-jp.org/~akatsuki/venus2019/>>.
- 21** **Title of the work:** Meridional and Zonal winds at Venus' atmosphere from Cloudtracking, Doppler
techniques and comparison with modelling
Name of the conference: International Venus Conference 2019
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral **Reasons for participation:** Review before
communication acceptance

Corresponding author: No

City of event: Niseko, Japan

Date of event: 31/05/2019

End date: 03/06/2019

Organising entity: International Venus Science Community

Type of entity: Associations and Groups

With external admission assessment committee: Yes

P. Machado; T. Widemann; J. Peralta; R. Gonçalves; G. Gilli; J. Silva. "IVC2019-0009". Available on-line at: <<https://www.cps-jp.org/~akatsuki/venus2019/>>.

22 Title of the work: Spectral Properties of Unusual Nightside Cloud Features on Venus

Name of the conference: International Venus Conference 2019

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Niseko, Japan

Date of event: 31/05/2019

End date: 03/06/2019

Organising entity: International Venus Science Community

Type of entity: Associations and Groups

With external admission assessment committee: Yes

E. Young; M. Bullock; Y. J. Lee; K. McGouldrick; J. Peralta; C. C. Tsang. "IVC2019-0097". Available on-line at: <<https://www.cps-jp.org/~akatsuki/venus2019/>>.

23 Title of the work: The complex features and dynamics of the nightside clouds of Venus as revealed by Akatsuki and Venus Express

Name of the conference: International Venus Conference 2019

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Niseko, Japan

Date of event: 31/05/2019

End date: 03/06/2019

Organising entity: International Venus Science Community

Type of entity: Associations and Groups

With external admission assessment committee: Yes

J. Peralta; T. Satoh; N. Iwagami; K. McGouldrick; E. F. Young; T. Horinouchi; A. Sanchez-Lavega; R. Hueso; K. Muto; Y. J. Lee; T. M. Sato; T. Kouyama; H. Sagawa; S. Murakami; M. Narita; T. Imamura; S. S. Limaye; P. Machado; I. Garate-Lopez; M. Nakamura. "IVC2019-0093". Available on-line at: <<https://www.cps-jp.org/~akatsuki/venus2019/>>.

24 Title of the work: Tracking Venus's Y-feature during Venus Express and groundbased observing

Name of the conference: International Venus Conference 2019

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

Corresponding author: No

City of event: Niseko, Japan

Date of event: 31/05/2019

End date: 03/06/2019

Organising entity: International Venus Science Community

Type of entity: Associations and Groups

**With external admission assessment committee:** Yes

R. M. McCabe; K. M. Sayanagi; J. J. Blalock; J. L. Gunnarson; J. Peralta; C. L. Gray; K. McGouldrick; T. Imamura; S. Watanabe; Y. J. Lee. "IVC2019-0071". Available on-line at: <<https://www.cps-jp.org/~akatsuki/venus2019/>>.

25 Title of the work: Gravity wave packets detected in radio occultation temperature profiles of the Venus atmosphere

Name of the conference: Japan Geoscience Union Meeting 2019

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Chiba, Japan

Date of event: 26/05/2019

End date: 30/05/2019

Organising entity: Japan Geoscience Union

Ryota Mori; Takeshi Imamura; Javier Peralta. "PPS05-P10". Available on-line at:

<http://www.jpгу.org/meeting_e2019/SessionList_en/detail/P-PS05.html>.

26 Title of the work: Long-term behaviour of the morphology and dynamics of Venus's middle clouds with Akatsuki/IR1

Name of the conference: Japan Geoscience Union Meeting 2019

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Chiba, Japan

Date of event: 26/05/2019

End date: 30/05/2019

Organising entity: Japan Geoscience Union

Javier Peralta; Naomoto Iwagami; Agustín Sánchez-Lavega; Yeon Joo Lee; Ricardo Hueso; Minori Narita; Takeshi Imamura; Phil Miles; Anthony Wesley; Emmanuel Kardasis; Seiko Takagi. "PPS05-17". Available on-line at: <http://www.jpгу.org/meeting_e2019/SessionList_en/detail/P-PS05.html>.

27 Title of the work: Mesoscale Dynamics in the Venus Atmosphere

Name of the conference: Japan Geoscience Union Meeting 2019

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Chiba, Japan

Date of event: 26/05/2019

End date: 30/05/2019

Organising entity: Japan Geoscience Union

Kevin McGouldrick; Javier Peralta; Takehiko Satoh. "PPS05-09". Available on-line at:

<http://www.jpгу.org/meeting_e2019/SessionList_en/detail/P-PS05.html>.

28 Title of the work: Capricious Cytherean Clouds: The Long and the Short of It

Name of the conference: 16th Meeting of the Venus Exploration and Analysis Group (VEXAG)

City of event: Laurel (Maryland), United States of America

Date of event: 06/11/2018

End date: 08/11/2018

Organising entity: Venus Exploration and Analysis Group (VEXAG) **Type of entity:** Associations and Groups



K. McGouldrick; J. Peralta; C. C. Tsang; J. Barstow; T. Satoh. "16th VEXAG Meeting 2018 (LPI Contrib. No. 2137)".

- 29** **Title of the work:** Intense Decadal UV Albedo Variation of Venus and its Impacts on the Atmosphere
Name of the conference: 16th Meeting of the Venus Exploration and Analysis Group (VEXAG)
Corresponding author: No
City of event: Laurel (Maryland), United States of America
Date of event: 06/11/2018
End date: 08/11/2018
Organising entity: Venus Exploration and Analysis Group (VEXAG) **Type of entity:** Associations and Groups
Yeon Joo Lee; Kandis-Lea Jessup; Santiago Pérez-Hoyos; Dmitrij V. Titov; Javier Peralta; Takeshi Horinouchi; Takeshi Imamura; Sanjay Limaye; Emmanuel Marcq; Masahiro Takagi; Atsushi Yamazaki; Manabu Yamada; Shigeto Watanabe; Shin-ya Murakami; Kazunori Ogohara; William M. McClintock; Gregory Holsclaw; Anthony Roman. "16th VEXAG Meeting 2018 (LPI Contrib. No. 2137)".
- 30** **Title of the work:** Observational Analysis of Venusian Atmospheric Equatorial Waves and Superrotation
Name of the conference: DPS Meeting
City of event: Knoxville (Tennessee), United States of America
Date of event: 21/10/2018
End date: 26/10/2018
Organising entity: American Astronomical Society
Ryan M. McCabe; Kunio M. Sayanagi; John J. Blalock; Jacob Gunnarson; Javier Peralta; Candance L. Gray; Kevin McGouldrick; Takeshi Imamura; Shigeto Watanabe. "AAS/Division for Planetary Sciences Meeting Abstracts, Vol.50, 102.05".
- 31** **Title of the work:** Venus' Meridional wind flow from: Akatsuki/UVI, Venus Express/VIRTIS, TNG/HARPS-N and CFHT/ESPaDOnS
Name of the conference: European Planetary Science Congress 2018
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Berlin, Berlin, Germany
Date of event: 16/09/2018
End date: 21/09/2018
Organising entity: Europlanet Research Infrastructure
P. Machado; T. Widemann; J. Peralta; R. Gonçalves; M. Takagi; A. Harutyunyan; Y. J. Lee; G. Gilli; S. Watanabe; T. Satoh; K. Ogohara; A. Yamazaki. "EPSC Abstracts, Vol. 12, EPSC2018-810, 2018". En: EPSC Abstracts. 11 - EPSC2017-409, 2017,
- 32** **Title of the work:** The New and Unexpected Venus from Akatsuki
Name of the conference: XXXth General Assembly of the International Astronomical Union
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Vienna, Austria
Date of event: 20/08/2018
End date: 31/08/2018
Organising entity: Universität Wien
City organizing entity: Vienna, Austria
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes



Javier Peralta. Available on-line at: <<https://astronomy2018.univie.ac.at/>>.

- 33** **Title of the work:** Cloud Tracking in the Polar Region using Rotation Invariant Phase Only Correlation
Name of the conference: Japan Geoscience Union Meeting 2018
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Chiba, Japan
Date of event: 20/05/2018
End date: 24/05/2018
Organising entity: Japan Geoscience Union
Keishiro Muto; Takeshi Imamura; Javier Peralta. "E_PPS04-P11".
- 34** **Title of the work:** Examining the superrotation maintenance mechanism in the Venusian atmosphere with Akatsuki
Name of the conference: Japan Geoscience Union Meeting 2018
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Chiba, Japan
Date of event: 20/05/2018
End date: 24/05/2018
Organising entity: Japan Geoscience Union
Takeshi Horinouchi; Masahiro Takagi; Shin-ya Murakami; Toru Kouyama; Kazunori Ogohara; Shigeto Watanabe; Atsushi Yamazaki; Manabu Yamada; Kensuke Nakajima; Yoshi-Yuki Hayashi; Javier Peralta; Sanjay S. Limaye; Takeshi Imamura; Takehiko Satoh; Masato Nakamura. "PPS04-05".
- 35** **Title of the work:** Mean winds at the cloud top of Venus obtained from two- wavelength UV imaging by Akatsuki
Name of the conference: Japan Geoscience Union Meeting 2018
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Chiba, Japan
Date of event: 20/05/2018
End date: 24/05/2018
Organising entity: Japan Geoscience Union
Takeshi Horinouchi; Toru Kouyama; Yeon Joo Lee; Shin-ya Murakami; Kazunori Ogohara; Masahiro Takagi; Takeshi Imamura; Kensuke Nakajima; Javier Peralta; Atsushi Yamazaki; Manabu Yamada; Shigeto Watanabe. "E_PPS04-P09".
- 36** **Title of the work:** NIGHTSIDE WINDS AT THE MIDDLE-TO-LOW CLOUDS OF VENUS WITH AKATSUKI/IR2 AND GROUND-BASED OBSERVATIONS.
Name of the conference: Japan Geoscience Union Meeting 2018
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Chiba, Japan
Date of event: 20/05/2018
End date: 24/05/2018
Organising entity: Japan Geoscience Union



Javier Peralta; Takeshi Horinouchi; Ricardo Hueso; Takeshi Imamura; Toru Kouyama; Yeon Joo Lee; Sanjay S. Limaye; Pedro Machado; Kevin McGouldrick; Shin-ya Murakami; Keishiro Muto; Masato Nakamura; Kazunori Ogohara; Hideo Sagawa; Agustín Sánchez-Lavega; Takao M. Sato; Takehiko Satoh; Eliot F. Young. "PPS04-04".

37 Title of the work: El inesperado Venus que nos muestra AKATSUKI

Name of the conference: IX Taller de Ciencias Planetarias

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: La Plata, Argentina

Date of event: 26/02/2018

End date: 02/03/2018

Organising entity: Universidad Nacional de La Plata **Type of entity:** University

City organizing entity: La Plata, Argentina

Publication in conference proceedings: Yes

With external admission assessment committee: Yes

Javier Peralta. (Argentina): Available on-line at: <<http://tcp2018.fcaglp.unlp.edu.ar/>>.

38 Title of the work: Analysis of Venusian Atmospheric Two- Dimensional Winds and Features Using Venus Express, Akatsuki, and Ground-Based Images

Name of the conference: DPS Meeting

City of event: Provo (Utah), United States of America

Date of event: 15/10/2017

End date: 20/10/2017

Organising entity: American Astronomical Society

Ryan M. McCabe; Jacob Gunnarson; Kunio M. Sayanagi; John J. Blalock; Javier Peralta; Candance L. Gray; Kevin McGouldrick; Takeshi Imamura; Shigeto Watanabe. "AAS/Division for Planetary Sciences Meeting Abstracts, Vol.49, 422.02."

39 Title of the work: Mesoscale Vortex Circulations on Venus observed in AKATSUKI/IR2 Images

Name of the conference: The Eighth Moscow Solar System Symposium

City of event: Moscow, Russia

Date of event: 09/10/2017

End date: 13/10/2017

Organising entity: Russian Foundation for Basic Research (RFBR)

S. S. Limaye; T. Satoh; J. Peralta; T. Horinouchi; T. Imamura. "The Eighth Moscow Solar System Symposium, 8MS3-PS-01".

40 Title of the work: AKATSUKI-IR2 reveals unexpected opacity disruption affecting Venus's lower clouds every 9 days

Name of the conference: European Planetary Science Congress 2017

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Riga, Latvia

Date of event: 17/09/2017

End date: 22/09/2017

Organising entity: Europlanet Research Infrastructure

Javier Peralta; Takehiko Satoh; Takeshi Horinouchi; Kazunori Ogohara; Toru Kouyama; Shin-ya Murakami; Takeshi Imamura; Kevin McGouldrick; Takao M. Sato; Sanjay S. Limaye; Enrique García-Melendo; Agustín



Sánchez-Lavega; Ricardo Hueso. "EPSC Abstracts, Vol. 11, EPSC2017-77-2, 2017". En: EPSC Abstracts. 11 - EPSC2017-77-2, 2017,

- 41** **Title of the work:** Akatsuki (space based cloud-tracking) and TNG/HARPS-N (ground-based Doppler velocimetry) coordinated wind measurements of cloud top Venus's atmosphere
Name of the conference: European Planetary Science Congress 2017
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Riga, Latvia
Date of event: 17/09/2017
End date: 22/09/2017
Organising entity: Europlanet Research Infrastructure
Ruben Gonçalves; Pedro Machado; Javier Peralta; Yeon Joo Lee; Thomas Widemann; A. Harutyunyan. "EPSC Abstracts, Vol. 11, EPSC2017-525, 2017". En: EPSC Abstracts. 11 - EPSC2017-525, 2017,
- 42** **Title of the work:** Cloud tracking of the Venus atmosphere with Akatsuki: High-quality wind snapshots, jets, and instabilities
Name of the conference: European Planetary Science Congress 2017
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Riga, Latvia
Date of event: 17/09/2017
End date: 22/09/2017
Organising entity: Europlanet Research Infrastructure
Takeshi Horinouchi; Shin-ya Murakami; Takehiko Satoh; Shigeto Watanabe; Toru Kouyama; Kazunori Ogohara; Takeshi Imamura; Masahiro Takagi; Hiroki Kashimura; Javier Peralta; Sanjay S. Limaye; Takao M. Sato; Masato Nakamura; Manabu Yamada; Atsushi Yamazaki; Elliot Young. "EPSC Abstracts, Vol. 11, EPSC2017-409, 2017". En: EPSC Abstracts. 11 - EPSC2017-409, 2017,
- 43** **Title of the work:** Jupiter cloud morphology and zonal winds from ground-based observations during Juno's first year around Jupiter
Name of the conference: European Planetary Science Congress 2017
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Riga, Latvia
Date of event: 17/09/2017
End date: 22/09/2017
Organising entity: Europlanet Research Infrastructure
R. Hueso; A. Sánchez-Lavega; J. M. Gómez-Forrellad; J. F. Rojas; S. Pérez-Hoyos; J. F. Sanz-Requena; J. Peralta; I. Ordonez-Etxeberria; H. Chen-Chen; I. Mendikoa; D. Peach; C. Go; A. Wesley; P. Miles; T. Olivetti. "EPSC Abstracts, Vol. 11, EPSC2017-128, 2017". En: EPSC Abstracts. 11 - EPSC2017-525, 2017,
- 44** **Title of the work:** Meridional and Zonal winds at Venus's atmosphere from Cloud-tracking, Doppler techniques and comparison with modelling
Name of the conference: European Planetary Science Congress 2017
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Riga, Latvia



Date of event: 17/09/2017

End date: 22/09/2017

Organising entity: Europlanet Research Infrastructure

Pedro Machado; Thomas Widemann; Javier Peralta; Ruben Gonçalves; Gabriella Gilli; M. Silva. "EPSC Abstracts, Vol. 11, EPSC2017-472, 2017". En: EPSC Abstracts. 11 - EPSC2017-472, 2017,

45 Title of the work: Stationary waves and slow cloud features challenge Venus's night side superrotation

Name of the conference: European Planetary Science Congress 2017

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Riga, Latvia

Date of event: 17/09/2017

End date: 22/09/2017

Organising entity: Europlanet Research Infrastructure

Javier Peralta; Ricardo Hueso; Agustín Sánchez-Lavega; Yeon Joo Lee; Antonio García-Muñoz; Toru Kouyama; Hideo Sagawa; Takao M. Sato; Giuseppe Piccioni; Silvia Tellmann; Takeshi Imamura; Takehiko Satoh. "EPSC Abstracts, Vol. 11, EPSC2017-80, 2017". En: EPSC Abstracts. 11 - EPSC2017-80, 2017,

46 Title of the work: Venus cloud top structure seen by the coordinated Subaru and Akatsuki observations

Name of the conference: European Planetary Science Congress 2017

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Riga, Latvia

Date of event: 17/09/2017

End date: 22/09/2017

Organising entity: Europlanet Research Infrastructure

Takao M. Sato; Hideo Sagawa; Toru Kouyama; Makoto Taguchi; Yeon Joo Lee; Javier Peralta; Masahiro Takagi; George L. Hashimoto; Takehiko Satoh; Yasumasa Kasaba; Sohei Aoki; Tetsuya Fukuhara; Atsushi Yamazaki; Takeshi Imamura; Masato Nakamura. "EPSC Abstracts, Vol. 11, EPSC2017-392-2, 2017". En: EPSC Abstracts. 11 - EPSC2017-392-2, 2017,

47 Title of the work: Venus's winds and temperatures during the MESSENGER's flyby: towards a three-dimensional instantaneous state of the atmosphere

Name of the conference: European Planetary Science Congress 2017

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: Riga, Latvia

Date of event: 17/09/2017

End date: 22/09/2017

Organising entity: Europlanet Research Infrastructure

Javier Peralta; Yeon Joo Lee; Ricardo Hueso; R. Todd Clancy; Brad J. Sandor; Agustín Sánchez-Lavega; E. Lellouch; M. Rengel; Pedro Machado; M. Omino; Arianna Piccialli; Takeshi Imamura; Takeshi Horinouchi; Shin-ya Murakami; Kazunori Ogohara; David Luz; Damian Peach. "EPSC Abstracts, Vol. 11, EPSC2017-78, 2017". En: EPSC Abstracts. 11 - EPSC2017-78, 2017,

48 Title of the work: A 9-day disruption on Venus's lower clouds from AKATSUKI/IR2

Name of the conference: JpGU-AGU Joint Meeting 2017

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication



Corresponding author: Yes

City of event: Chiba, Japan

Date of event: 20/05/2017

End date: 25/05/2017

Organising entity: Japan Geoscience Union

Javier Peralta; Takehiko Satoh; Takeshi Horinouchi; Kazunori Ogohara; Toru Kouyama; Shin-ya Murakami; Takeshi Imamura; Kevin McGouldrick; Takao M. Sato; Sanjay S. Limaye; Enrique García-Melendo; Agustín Sánchez-Lavega; Ricardo Hueso. "PPS06-04".

49 Title of the work: Coordinated observation of Venus cloud top with Subaru and Akatsuki

Name of the conference: JpGU-AGU Joint Meeting 2017

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Chiba, Japan

Date of event: 20/05/2017

End date: 25/05/2017

Organising entity: Japan Geoscience Union

Takao M. Sato; Hideo Sagawa; Toru Kouyama; Makoto Taguchi; Yeon Joo Lee; Javier Peralta; Masahiro Takagi; George Hashimoto; Takehiko Satoh; Yasumasa Kasaba; Sohei Aoki; Tetsuya Fukuhara; Atsushi Yamazaki; Takeshi Imamura; Masato Nakamura. "PPS06-P17".

50 Title of the work: Mesoscale to planetary-scale motions in the Venus atmosphere revealed by cloud-tracking with Akatsuki IR and UV images

Name of the conference: JpGU-AGU Joint Meeting 2017

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Chiba, Japan

Date of event: 20/05/2017

End date: 25/05/2017

Organising entity: Japan Geoscience Union

Takeshi Horinouchi; Shin-ya Murakami; Takehiko Satoh; Shigeto Watanabe; Toru Kouyama; Kazunori Ogohara; Takeshi Imamura; Masahiro Takagi; Hiroki Kashimura; Javier Peralta; Sanjay S. Limaye; Takao M. Sato; Masato Nakamura; Manabu Yamada. "PPS06-02".

51 Title of the work: Stationary features at the Venus cloud top seen in Akatsuki/IR2 2.02-um dayside images

Name of the conference: JpGU-AGU Joint Meeting 2017

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Chiba, Japan

Date of event: 20/05/2017

End date: 25/05/2017

Organising entity: Japan Geoscience Union

Takao M. Sato; Shin-ya Murakami; Takeshi Horinouchi; Takehiko Satoh; Javier Peralta; Takeshi Imamura. "PPS06-08".

52 Title of the work: Stationary waves and the slow cloud features challenge Venus's night side superrotation

Name of the conference: JpGU-AGU Joint Meeting 2017

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster



Corresponding author: Yes

City of event: Chiba, Japan

Date of event: 20/05/2017

End date: 25/05/2017

Organising entity: Japan Geoscience Union

Javier Peralta; Ricardo Hueso; Agustín Sánchez-Lavega; Yeon Joo Lee; Antonio García-Muñoz; Toru Kouyama; Hideo Sagawa; Takao M. Sato; Giuseppe Piccioni; Takeshi Imamura; Takehiko Satoh. "PPS06-P06".

53 Title of the work: Study of the polar oval at the cloud top of Venus using spectral images taken by Venus Express

Name of the conference: JpGU-AGU Joint Meeting 2017

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Chiba, Japan

Date of event: 20/05/2017

End date: 25/05/2017

Organising entity: Japan Geoscience Union

Keishiro Muto; Takeshi Imamura; Javier Peralta. "PPS06-12".

54 Title of the work: Temporal Evolution of the Venusian Atmospheric Superrotation Measured in the Venus Express Venus Monitoring Camera data

Name of the conference: JpGU-AGU Joint Meeting 2017

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Chiba, Japan

Date of event: 20/05/2017

End date: 25/05/2017

Organising entity: Japan Geoscience Union

Ryan M. McCabe; Kunio M. Sayanagi; John J. Blalock; Jacob L. Gunnarson; Kevin McGouldrick; Candance L. Gray; Javier Peralta; Yeon Joo Lee; Takeshi Imamura. "PPS06-03".

55 Title of the work: Venus nightside infrared spectroscopic study around the 2.3-micron CO₂ atmospheric window using IRTF/SpeX data in Jan-Feb 2017

Name of the conference: JpGU-AGU Joint Meeting 2017

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

Corresponding author: No

City of event: Chiba, Japan

Date of event: 20/05/2017

End date: 25/05/2017

Organising entity: Japan Geoscience Union

Yeon Joo Lee; Hideo Sagawa; Takao M. Sato; Toru Kouyama; Javier Peralta; Eliot Young; Emmanuel Marcq; Shigeto Watanabe; Masataki Imai; Takeshi Imamura; Takehiko Satoh; Masato Nakamura. "PPS06-P18".

56 Title of the work: Vortex pairs reveal meso scale flows on Venus

Name of the conference: JpGU-AGU Joint Meeting 2017

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication



Corresponding author: No

City of event: Chiba, Japan

Date of event: 20/05/2017

End date: 25/05/2017

Organising entity: Japan Geoscience Union

Sanjay S. Limaye; Takehiko Satoh; Takeshi Horinouchi; Javier Peralta; Takeshi Imamura. "PPS06-05".

- 57** **Title of the work:** Analysis of Venusian Zonal Winds Using Venus Express Data
Name of the conference: DPS 48/EPSC 11
City of event: Pasadena, CA, United States of America
Date of event: 16/10/2016
End date: 21/10/2016
Organising entity: American Astronomical Society (AAS)
R. M. McCabe; K. M. Sayanagi; J. Peralta; C. L. Gray; K. McGouldrick; T. Imamura. "American Astronomical Society, DPS meeting #48, id.216.05".
- 58** **Title of the work:** Meridional transport in the Venusian atmosphere
Name of the conference: DPS 48/EPSC 11
City of event: Pasadena, CA, United States of America
Date of event: 16/10/2016
End date: 21/10/2016
Organising entity: American Astronomical Society (AAS)
T. Widemann; P. Machado; J. Peralta; E. Marcq; J. Helbert; S. Smrekar. "American Astronomical Society, DPS meeting #48, id.115.07".
- 59** **Title of the work:** Saturn's Doppler velocimetry wind measurements with VLT/UVES
Name of the conference: DPS 48/EPSC 11
City of event: Pasadena, CA, United States of America
Date of event: 16/10/2016
End date: 21/10/2016
Organising entity: American Astronomical Society (AAS)
M. Silva; P. Machado; D. Luz; A. Sánchez-Lavega; R. Hueso; J. Peralta. "American Astronomical Society, DPS meeting #48, id.421.09".
- 60** **Title of the work:** Venus' night side atmospheric dynamics using near infrared observations from VEx/VIRTIS and TNG/NICS
Name of the conference: DPS 48/EPSC 11
City of event: Pasadena, CA, United States of America
Date of event: 16/10/2016
End date: 21/10/2016
Organising entity: American Astronomical Society (AAS)
P. Machado; J. Peralta; D. Luz; R. Gonçalves; T. Widemann; J. Oliveira. "American Astronomical Society, DPS meeting #48, id.115.06".
- 61** **Title of the work:** Ground and space based cloud-top wind velocities using CFHT/ESPaDOnS (Doppler velocimetry) and VEx/VIRTIS (cloud tracking) coordinated measurements
Name of the conference: European Geosciences Union General Assembly 2016
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Vienna, Austria



Date of event: 17/04/2016

End date: 22/04/2016

Organising entity: European Geophysical Union (EGU)

Pedro Machado; Thomas Widemann; Javier Peralta; Rúben Gonçalves; Jean-François Donati; David Luz. "Geophysical Research Abstracts Vol. 18, EGU2016-4781, 2016". 18,

62 Title of the work: VEx/VIRTIS and TNG/NICS cloud tracked winds at Venus' lower cloud level using nightside observations

Name of the conference: European Geosciences Union General Assembly 2016

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Vienna, Austria

Date of event: 17/04/2016

End date: 22/04/2016

Organising entity: European Geophysical Union (EGU)

Pedro Machado; Javier Peralta; David Luz; Rúben Gonçalves. "Geophysical Research Abstracts Vol. 18, EGU2016-4806, 2016". 18,

63 Title of the work: Wind measurements in Saturn's atmosphere with UVES/MLT ground-based Doppler velocimetry

Name of the conference: European Geosciences Union General Assembly 2016

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Vienna, Austria

Date of event: 17/04/2016

End date: 22/04/2016

Organising entity: European Geophysical Union (EGU)

P. Machado; M. Silva; J. Peralta; D. Luz; A. Sanchez-Lavega; R. Hueso. "Geophysical Research Abstracts Vol. 18, EGU2016-4828, 2016". 18,

64 Title of the work: Cloud tracked winds at the lower cloud level using Venus' night side observations at 2.28 um with TNG/NICS

Name of the conference: International Venus Conference 2016

Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: Oxford, Berkshire, Buckinghamshire and Oxfordshire, United Kingdom

Date of event: 04/04/2016

End date: 08/04/2016

Organising entity: Merton College

P. Machado; J. Peralta; D. Luz; R. Gonçalves; J. Oliveira.

65 Title of the work: Ground and space based cloud-top wind velocities using CFHT/ESPaDOs (Doppler velocimetry) and VEx/VIRTIS (cloud tracking) coordinated measurements

Name of the conference: International Venus Conference 2016

Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: Oxford, Berkshire, Buckinghamshire and Oxfordshire, United Kingdom

Date of event: 04/04/2016



End date: 08/04/2016

Organising entity: Merton College

P. Machado; T. Widemann; J. Peralta; R. Gonçalves; J. F. Donati; D. Luz.

66 Title of the work: REVIEWING VIRTIS-M MEASUREMENTS OF VENUS WINDS AT DIFFERENT ALTITUDES: GLOBAL CIRCULATION AND SOUTH POLAR VORTEX

Name of the conference: International Venus Conference 2016

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Oxford, Berkshire, Buckinghamshire and Oxfordshire, United Kingdom

Date of event: 04/04/2016

End date: 08/04/2016

Organising entity: Merton College

R. Hueso; I. Garate-Lopez; A. Sánchez-Lavega; J. Peralta; A. García-Muñoz; G. Piccioni; P. Drossart.

67 Title of the work: THE WINDS OF VENUS DURING MESSENGER'S FLYBY

Name of the conference: International Venus Conference 2016

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Oxford, Berkshire, Buckinghamshire and Oxfordshire, United Kingdom

Date of event: 04/04/2016

End date: 08/04/2016

Organising entity: Merton College

J. Peralta; Y. J. Lee; R. Hueso; R. T. Clancy; B. J. Sandor; A. Sánchez-Lavega; T. Imamura; M. Omino; P. Machado; E. Lellouch; M. Rengel; S. Murakami; H. Ando; D. Peach.

68 Title of the work: VENUS CLOUD MORPHOLOGY AND MOTIONS FROM LONG-TERM GROUND-BASED OBSERVATIONS

Name of the conference: International Venus Conference 2016

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Oxford, Berkshire, Buckinghamshire and Oxfordshire, United Kingdom

Date of event: 04/04/2016

End date: 08/04/2016

Organising entity: Merton College

A. Sánchez-Lavega; R. Hueso; S. Pérez-Hoyos; I. Mendikoa; J. F. Rojas; J. Peralta.

69 Title of the work: The result of Venus Orbit Insertion of Akatsuki on December 7th, 2015

Name of the conference: AGU Fall Meeting 2015

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: San Francisco, United States of America

Date of event: 14/12/2015

End date: 18/12/2015

Organising entity: American Geophysical Union **Type of entity:** Associations and Groups

With external admission assessment committee: Yes

K. I. Sugiyama; M. Nakamura; T. Imamura; N. Ishii; T. Abe; Y. Kawakatsu; C. Hirose; T. Satoh; M. Suzuki; M. Ueno; A. Yamazaki; N. Iwagami; S. Watanabe; M. Taguchi; T. Fukuhara; Y. Takahashi; M. Yamada;



M. Imai; S. Ohtsuki; K. Uemizu; G. L. Hashimoto; M. Takagi; Y. Matsuda; K. Ogohara; N. Sato; Y. Kasaba; T. Kouyama; N. Hirata; R. Nakamura; Y. Yamamoto; T. Horinouchi; M. Yamamoto; Y. Y. Hayashi; J. Nakatsuka; H. Kashimura; T. Sakanoi; H. Ando; S. Y. Murakami; T. Sato; S. Takagi; K. Nakajima; J. Peralta; Y. J. Lee. "American Geophysical Union, Fall Meeting 2015, abstract id.P23A-2107". Available on-line at: <<https://ui.adsabs.harvard.edu/abs/2015AGUFM.P23A2107S>>.

- 70** **Title of the work:** Ground-based Doppler velocimetry using CFHT/ESPaDOnS and comparison with simultaneous cloud tracking measurements using VEx/VIRTIS
Name of the conference: European Planetary Science Congress
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Estoril, Lisboa, Portugal
Date of event: 07/09/2014
End date: 12/09/2014
Organising entity: Europlanet Research Infrastructure
P. Machado; T. Widemann; D. Luz; J. Peralta. "EPSC Abstracts, Vol. 9, EPSC2014-473."
- 71** **Title of the work:** Venus winds at cloud level from UV, visible and near infrared observations from VIRTIS on Venus Express over 2006-2012
Name of the conference: European Planetary Science Congress
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Estoril, Lisboa, Portugal
Date of event: 07/09/2014
End date: 12/09/2014
Organising entity: Europlanet Research Infrastructure
R. Hueso; J. Peralta; I. Garate-Lopez; T. V. Bandos; A. Sánchez-Lavega. "EPSC Abstracts, Vol. 9, EPSC2014-160."
- 72** **Title of the work:** Venus's Y-feature as a wind-distorted wave
Name of the conference: European Planetary Science Congress
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Estoril, Lisboa, Portugal
Date of event: 07/09/2014
End date: 12/09/2014
Organising entity: Europlanet Research Infrastructure
J. Peralta; A. Sánchez-Lavega; M. A. López-Valverde; D. Luz; P. Machado. "EPSC Abstracts, Vol. 9, EPSC2014-617-2."
- 73** **Title of the work:** Venus winds from ultraviolet, visible and near infrared images from the VIRTIS instrument on Venus Express
Name of the conference: DPS Meeting
Corresponding author: No
City of event: Denver (Colorado), United States of America
Date of event: 06/10/2013
End date: 11/10/2013
Organising entity: American Astronomical Society
R. Hueso; I. Garate-Lopez; J. Peralta; T. Bandos; A. Sánchez-Lavega; P. Drossart. "AAS/Division for Planetary Sciences Meeting Abstracts, Vol.45, pp. 202.08".



- 74** **Title of the work:** An analytical framework to classify waves on Venus
Name of the conference: European Planetary Science Congress
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: London, Inner London, United Kingdom
Date of event: 08/09/2013
End date: 13/09/2013
Organising entity: Europlanet Research Infrastructure
J. Peralta; D. Luz; T. Imamura; A. Piccialli; P. Machado; A. Sánchez-Lavega; M. A. López-Valverde. "EPSC Abstracts, Vol. 8, EPSC2013-643, 2013".
- 75** **Title of the work:** Mapping the lower thermosphere of Venus using VIRTIS/VEx Nadir non-LTE observations at 4.3 μm
Name of the conference: International Venus Workshop
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Catania, Sicilia, Italy
Date of event: 10/06/2013
End date: 14/06/2013
Organising entity: ESA, ASI, INAF, IAPS, Selex ES, Consorzio Interuniversitario per la Fisica Spaziale Miguel A. López-Valverde; Javier Peralta; Gabriella Gilli; Pierre Drossart; Giuseppe Piccioni.
- 76** **Title of the work:** Measurements of Venus winds from ultraviolet, visible and near infrared images with VIRTIS on Venus Express
Name of the conference: International Venus Workshop
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Catania, Sicilia, Italy
Date of event: 10/06/2013
End date: 14/06/2013
Organising entity: ESA, ASI, INAF, IAPS, Selex ES, Consorzio Interuniversitario per la Fisica Spaziale Ricardo Hueso; Tatyana Bandos; Itziar Garate-Lopez; Javier Peralta; Agustín Sánchez-Lavega.
- 77** **Title of the work:** Retrieval of temperature and carbon monoxide from the 4.7 μm limb non-LTE emission of the upper atmosphere measured by VIRTIS/Venus Express
Name of the conference: International Venus Workshop
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Catania, Sicilia, Italy
Date of event: 10/06/2013
End date: 14/06/2013
Organising entity: ESA, ASI, INAF, IAPS, Selex ES, Consorzio Interuniversitario per la Fisica Spaziale Miguel A. López-Valverde; Gabriella Gilli; Javier Peralta; Stephen Bougher; Amanda Brecht; Pierre Drossart; Giuseppe Piccioni.
- 78** **Title of the work:** Towards a general classification of atmospheric waves on Venus
Name of the conference: International Venus Workshop
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Catania, Sicilia, Italy
Date of event: 10/06/2013



End date: 14/06/2013

Organising entity: ESA, ASI, INAF, IAPS, Selex ES, Consorzio Interuniversitario per la Fisica Spaziale
Javier Peralta; David Luz; Takeshi Imamura; Arianna Piccialli.

- 79** **Title of the work:** Venus cloud tops winds with ground-based Doppler velocimetry and comparison with cloud tracking method
Name of the conference: International Venus Workshop
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Catania, Sicilia, Italy
Date of event: 10/06/2013
End date: 14/06/2013
Organising entity: ESA, ASI, INAF, IAPS, Selex ES, Consorzio Interuniversitario per la Fisica Spaziale
Pedro Machado; Thomas Widemann; David Luz; Javier Peralta.
- 80** **Title of the work:** Venus Winds with Ground-Based Doppler Velocimetry and Comparison with Coordinated Cloud Tracking Method Winds
Name of the conference: 44th Lunar and Planetary Science Conference
Corresponding author: No
City of event: The Woodlands (Texas), United States of America
Date of event: 18/03/2013
End date: 22/03/2013
Organising entity: Lunar and Planetary Institute
P. Machado; T. Widemann; D. Luz; J. Peralta. "LPI Contribution No. 1719, p.1975".
- 81** **Title of the work:** Characterization of Atmospheric Waves at the upper clouds in the Polar Region of Venus
Name of the conference: European Planetary Science Congress
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Madrid, Community of Madrid, Spain
Date of event: 23/09/2012
End date: 28/09/2012
Organising entity: Europlanet Research Infrastructure
J. Peralta; D. Luz; D. L. Berry; C. C. C. Tsang; A. Migliorini; G. Piccioni; P. Drossart. "EPSC Abstracts, Vol. 7, EPSC2012- 529-1".
- 82** **Title of the work:** Further multi-wavelength measurements of Venus winds with VEX
Name of the conference: European Planetary Science Congress
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Madrid, Community of Madrid, Spain
Date of event: 23/09/2012
End date: 28/09/2012
Organising entity: Europlanet Research Infrastructure
T. V. Bandos; R. Hueso; A. Sánchez-Lavega; J. Peralta-Calvillo; T. del Río-Gaztelurrutia. "EPSC Abstracts, Vol. 7, EPSC2012-953-1".
- 83** **Title of the work:** New measurements of Venus dayside winds with CFHT/ESPaDONs
Name of the conference: European Planetary Science Congress
Type of participation: 'Participatory - poster
City of event: Madrid, Community of Madrid, Spain



Date of event: 23/09/2012

End date: 28/09/2012

Organising entity: Europlanet Research Infrastructure

P. Machado; T. Widemann; D. Luz; J. Peralta; L. Rossi. "EPSC Abstracts, Vol. 7, EPSC2012-694-1."

84 Title of the work: Retrieval of CO and Temperature in the upper atmosphere of Venus from infrared non-LTE limb emissions observed by VIRTIS/Venus Express

Name of the conference: European Planetary Science Congress

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Madrid, Community of Madrid, Spain

Date of event: 23/09/2012

End date: 28/09/2012

Organising entity: Europlanet Research Infrastructure

M. A. López-Valverde; G. Gilli; J. Peralta; P. Drossart; G. Piccioni. "EPSC Abstracts, Vol. 7, EPSC2012-630."

85 Title of the work: Dynamics of Venus' southern polar vortex from over two years of VIRTIS/Venus Express observations

Name of the conference: EPSC-DPS Joint Meeting

Type of participation: Participatory - invited/keynote talk

Corresponding author: No

City of event: Nantes, Pays de la Loire, France

Date of event: 02/10/2011

End date: 07/10/2011

Organising entity: Europlanet Research Infrastructure & American Astronomical Society

D. Luz; D. L. Berry; J. Peralta; G. Piccioni. "EPSC Abstracts, Vol. 6, EPSC-DPS2011-1333."

86 Title of the work: Morphology of limb profiles observed by Venus Monitoring Camera

Name of the conference: EPSC-DPS Joint Meeting

Type of participation: Participatory - poster

City of event: Nantes, Pays de la Loire, France

Date of event: 02/10/2011

End date: 07/10/2011

Organising entity: Europlanet Research Infrastructure & American Astronomical Society

J. Hessemann; J. Peralta; W. J. Markiewicz. "EPSC Abstracts, Vol. 6, EPSC-DPS2011-1869"

87 Title of the work: Solar Tides in the winds of the southern polar region of Venus using VIRTISM/ Venus Express images

Name of the conference: EPSC-DPS Joint Meeting

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: Nantes, Pays de la Loire, France

Date of event: 02/10/2011

End date: 07/10/2011

Organising entity: Europlanet Research Infrastructure & American Astronomical Society

J. Peralta; D. Luz; D. L. Berry; G. Piccioni; P. Drossart; R. Hueso; A. Sánchez-Lavega. "EPSC Abstracts, Vol. 6, EPSC-DPS2011-1269"

- 88** **Title of the work:** Solar Tides in the winds of the southern polar region of Venus using VIRTIS-M/VEX images
Name of the conference: XXI Encontro Nacional de Astronomia e Astrofisica
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Coimbra, Centro (P), Portugal
Date of event: 07/09/2011
End date: 10/09/2011
Organising entity: Universidade de Coimbra
J. Peralta; D. Luz; D. L. Berry; G. Piccioni; P. Drossart; R. Hueso; A. Sánchez-Lavega.
- 89** **Title of the work:** Solar Tide on the upper cloud winds of the polar collar region using VIRTISM/ VEX images
Name of the conference: II Encuentro de exploración del sistema solar
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Bilbao, Basque Country, Spain
Date of event: 16/06/2011
End date: 17/06/2011
Organising entity: Grupo de Ciencias Planetarias UPV-EHU y Aula EspaZio Gela
J. Peralta; D. Luz; D. L. Berry; G. Piccioni; P. Drossart; R. Hueso; A. Sánchez-Lavega. Available on-line at: <http://www.ajax.ehu.eus/exploracion_sistema_solar/principal/Libro_de_Abstracts.pdf>. ISBN 978-84-95809-91-9
- 90** **Title of the work:** Dynamic regions versus latitude of the Venus lower cloud layer
Name of the conference: European Planetary Science Congress
Type of participation: 'Participatory - poster
City of event: Rome, Lazio, Italy
Date of event: 19/09/2010
End date: 24/09/2010
Organising entity: Europlanet Research Infrastructure
O. Lanciano; G. Piccioni; R. Hueso; A. Sánchez-Lavega; J. Peralta. "EPSC Abstracts, Vol.5, EPSC2010-232."
- 91** **Title of the work:** Winds and cloud morphology in the southern polar region of Venus
Name of the conference: European Planetary Science Congress
Corresponding author: No
City of event: Rome, Lazio, Italy
Date of event: 19/09/2010
End date: 24/09/2010
Organising entity: Europlanet Research Infrastructure
D. Luz; D. Berry; J. Peralta; G. Piccioni; P. Drossart. "EPSC Abstracts, Vol.5, EPSC2010-670."
- 92** **Title of the work:** South polar dynamics of the Venusian atmosphere from VIRTIS/Venus Express mapping in the thermal range
Name of the conference: European Geosciences Union General Assembly 2010
Corresponding author: No
City of event: Vienna, Austria
Date of event: 02/05/2010
End date: 07/05/2010
Organising entity: European Geophysical Union (EGU)



D. Luz; D. Berry; J. Peralta; P. Drossart; G. Piccioni. "Geophysical Research Abstracts, vol. 12, EGU2010-11119".

- 93** **Title of the work:** Spatial and Temporal distribution of CO₂ 4.3 μ m NLTE Emission from nadir VIRTIS-H/Venus Express observations
Name of the conference: European Geosciences Union General Assembly 2010
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Vienna, Austria
Date of event: 02/05/2010
End date: 07/05/2010
Organising entity: European Geophysical Union (EGU)
J. Peralta; M. A. López-Valverde; G. Gilli; P. Drossart; G. Piccioni. "Geophysical Research Abstracts, vol. 12, EGU2010-11319".
- 94** **Title of the work:** Venus winds at cloud level from VIRTIS during the Venus Express mission
Name of the conference: European Geosciences Union General Assembly 2010
Corresponding author: No
City of event: Vienna, Austria
Date of event: 02/05/2010
End date: 07/05/2010
Organising entity: European Geophysical Union (EGU)
R. Hueso; J. Peralta; A. Sánchez-Lavega; S. Pérez-Hoyos; G. Piccioni; P. Drossart. "Geophysical Research Abstracts, vol. 12, EGU2010- 4276-1".
- 95** **Title of the work:** Long-term behavior of Venus winds at cloud level from VIRTIS/VEX observations
Name of the conference: European Planetary Science Congress
Corresponding author: No
City of event: Potsdam, Brandenburg - Nordost, Germany
Date of event: 13/09/2009
End date: 18/09/2009
Organising entity: Europlanet Research Infrastructure
R. Hueso; J. Peralta; A. Sánchez-Lavega; S. Pérez-Hoyos; G. Piccioni; P. Drossart. "EPSC Abstracts, Vol. 4, EPSC2009-349-2, 2009".
- 96** **Title of the work:** Lower clouds dynamics study of Venus as seen by VIRTIS on Venus-Express
Name of the conference: European Planetary Science Congress
Type of participation: 'Participatory - poster
City of event: Potsdam, Brandenburg - Nordost, Germany
Date of event: 13/09/2009
End date: 18/09/2009
Organising entity: Europlanet Research Infrastructure
O. Lanciano; G. Piccioni; R. Hueso; A. Sánchez-Lavega; S. Pérez-Hoyos; J. Peralta. "EPSC Abstracts, Vol. 4, EPSC2009-541, 2009".
- 97** **Title of the work:** Gravity waves in the Atmosphere of Venus as Observed with VIRTIS on Venus Express
Name of the conference: DPS Meeting
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Ithaca, United States of America
Date of event: 10/10/2008



End date: 15/10/2008

Organising entity: American Astronomical Society

J. Peralta; R. Hueso; A. Sánchez-Lavega; G. Piccioni; O. Lanciano; P. Drossart. "Bulletin of the American Astronomical Society, Vol.40, n.3, pp.467-468".

98 Title of the work: Characterization of gravity waves in the upper and lower clouds of Venus using VIRTIS-VEX images

Name of the conference: European Planetary Science Congress

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Münster, Münster, Germany

Date of event: 21/09/2008

End date: 26/09/2008

Organising entity: Europlanet Research Infrastructure

J. Peralta; R. Hueso; A. Sánchez-Lavega; S. Pérez-Hoyos; G. Piccioni; O. Lanciano; P. Drossart. "EPSC Abstracts, Vol.3, 00095".

99 Title of the work: Study of clouds pattern in the nightside of Venus as seen by VIRTIS

Name of the conference: 37th COSPAR Scientific Assembly

Corresponding author: No

City of event: Montreal, Canada

Date of event: 13/07/2008

End date: 20/07/2008

Organising entity: Committee on Space Research (COSPAR)

O. Lanciano; G. Piccioni; J. Peralta; R. Hueso; A. Sánchez-Lavega. "37th COSPAR Scientific Assembly. Held 13-20 July 2008, in Montréal, Canada., p.1688".

100 Title of the work: Ondas de gravedad en la atmósfera de Venus observadas con VIRTIS/Venus Express

Name of the conference: VIII Reunión Científica de la Sociedad Española de Astronomía. Santander, Jul 2008

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Santander, Cantabria, Spain

Date of event: 07/07/2008

End date: 11/07/2008

Organising entity: Sociedad Española de Astronomía

J. Peralta; R. Hueso; A. Sánchez-Lavega. "VIII Reunión Científica de la Sociedad Española de Astronomía (Santander, Jul 2008), pp.14".

101 Title of the work: Characterization of gravity waves in the upper and lower clouds of Venus using VIRTIS-VEX images

Name of the conference: European Geosciences Union General Assembly 2008

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Vienna, Austria

Date of event: 13/04/2008

End date: 18/04/2008

Organising entity: European Geophysical Union (EGU)

J. Peralta; A. Sánchez-Lavega; R. Hueso; G. Piccioni; O. Lanciano; P. Drossart. "Geophysical Research Abstracts, Vol.10, 09448".



- 102 Title of the work:** Study of the dynamical recurrent patterns on Venus from the IR atmospheric windows observed by VIRTIS
Name of the conference: European Geosciences Union General Assembly 2008
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Vienna, Austria
Date of event: 13/04/2008
End date: 18/04/2008
Organising entity: European Geophysical Union (EGU)
O. Lanciano; A. Sánchez-Lavega; R. Hueso; G. Piccioni; J. Peralta; P. Drossart. "Geophysical Research Abstracts, Vol.10, 10035".
- 103 Title of the work:** Venus Cloud tracked Winds from Vex-VIRTIS and Galileo-SSI: A comparison
Name of the conference: DPS Meeting
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Orlando, United States of America
Date of event: 07/10/2007
End date: 12/10/2007
Organising entity: American Astronomical Society
J. Peralta; R. Hueso; A. Sánchez-Lavega; P. Drossart; G. Piccioni. "Bulletin of the American Astronomical Society, Vol.39, n.3, pp.539".
- 104 Title of the work:** Turbulencia y Distribución de Brillo en las Nubes de Venus usando Imágenes Violetas de la sonda Galileo
Name of the conference: VII Reunión Científica de la Sociedad Española de Astronomía
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Barcelona, Catalonia, Spain
Date of event: 12/09/2007
End date: 14/09/2007
Organising entity: Sociedad Española de Astronomía
J. Peralta; R. Hueso; A. Sánchez-Lavega. "Nuevos Retos de la Astronomía Española, pp.29 (2007)".
- 105 Title of the work:** Velocidad del Viento en Venus a partir del seguimiento de estructuras nubosas utilizando datos de la misión Galileo
Name of the conference: XXXI Bienal de Física - 17º Encuentro Ibérico
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Granada, Andalusia, Spain
Date of event: 10/09/2007
End date: 14/09/2007
Organising entity: REAL SOCIEDAD ESPAÑOLA DE FISICA
J. Peralta; N. Barrado; R. Hueso; A. Sánchez-Lavega. "XXXI Bienal de Física - 17º Encuentro Ibérico, pp.88 (2007)".
- 106 Title of the work:** Venus: Estructura de los vientos y nubes en su atmósfera a partir de la misión Venus Express
Name of the conference: XXXI Bienal de Física - 17º Encuentro Ibérico
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Granada, Andalusia, Spain



Date of event: 10/09/2007

End date: 14/09/2007

Organising entity: REAL SOCIEDAD ESPAÑOLA DE FÍSICA

A. Sánchez-Lavega; R. Hueso; P. Drossart; G. Piccioni; J. Peralta. "XXXI Bienal de Física - 17º Encuentro Ibérico, pp.89 (2007).".

107 Title of the work: New measurements of Venus cloud winds from Galileo SSI images

Name of the conference: European Geosciences Union General Assembly 2007

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Vienna, Austria

Date of event: 15/04/2007

End date: 20/04/2007

Organising entity: European Geophysical Union (EGU)

With external admission assessment committee: Yes

J. Peralta; R. Hueso; A. Sánchez-Lavega. "Geophysical Research Abstracts, Vol.9, 07638".

108 Title of the work: Cassini-ISS Observations of Jupiter's Polar Clouds

Name of the conference: DPS Meeting

Corresponding author: No

City of event: Pasadena, United States of America

Date of event: 08/10/2006

End date: 13/10/2006

Organising entity: American Astronomical Society

N. Barrado-Izagirre; A. Sánchez-Lavega; R. Hueso; J. Peralta. "Bulletin of the American Astronomical Society, Vol.38, n.3, pp.496".

109 Title of the work: A ReAnalysis of Galileo Venus Images

Name of the conference: AGU Chapman Conference on Exploring Venus as a Terrestrial Planet

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Key Largo (FLORIDA), United States of America

Date of event: 13/02/2006

End date: 17/02/2006

Organising entity: American Geophysical Union

J. Peralta; N. Barrado; R. Hueso; A. Sánchez-Lavega. "AGU Chapman Conference on Exploring Venus as a Terrestrial Planet, pp. 41 (2006).".

110 Title of the work: Introducing PLIA: Planetary Laboratory for Image Analysis

Name of the conference: DPS Meeting

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Cambridge, United Kingdom

Date of event: 04/09/2005

End date: 09/09/2005

Organising entity: American Astronomical Society & Royal Astronomical Society

J. Peralta; R. Hueso; N. Barrado; A. Sánchez-Lavega. "Bulletin of the American Astronomical Society, Vol.37, n.3, pp.653".



- 111 Title of the work:** Observation of NO+ 4.3 um fundamental and first hot bands emissions by MIPAS/ENVISAT
Name of the conference: European Geosciences Union General Assembly 2005
Type of participation: Participatory - oral communication
Corresponding author: No
Date of event: 24/04/2005
End date: 29/04/2005
Organising entity: European Geophysical Union (EGU)
With external admission assessment committee: Yes
M. López-Puertas; J. Peralta-Calvillo; B. Funke; S. Gil-López; J.-M. Flaud; G. P. Stiller; T. von Clarmann; H. Fischer. "Geophysical Research Abstracts, Vol.7, 05064".

Works submitted to national or international seminars, workshops and/or courses

- 1 Title of the work:** Discussing the Venusian Atmosphere with Akatsuki
Name of the event: Tokyo Area Planet Meeting
Type of event: Workshop
Corresponding author: Yes **Reasons for participation:** Upon invitation
City of event: Tokyo, Japan
Date of event: 07/05/2018
Organising entity: Earth-Life Science Institute (ELSI) **Type of entity:** R&D Centre
Javier Peralta.
- 2 Title of the work:** Spacecraft observation of Venus atmosphere
Name of the event: CPS/WTK Mini-Workshop on Planetary Atmospheres II
Type of event: Workshop
Corresponding author: Yes **Reasons for participation:** Upon invitation
City of event: Kobe, Japan
Date of event: 28/03/2018
End date: 29/03/2018
Organising entity: Center for Planetary Science, Kobe University (CPS)
City organizing entity: Kobe, Japan
Javier Peralta. Available on-line at: <<http://www.gfd-dennou.org/seminars/wtk/2018-03-28/index.htm>>.
- 3 Title of the work:** La dinámica atmosférica de Venus
Name of the event: VI Jornadas Andaluzas de Astronomía
Type of event: Course
Corresponding author: Yes **Reasons for participation:** Upon invitation
Geographical area: European Union
City of event: Castillo de Hornos, Andalusia, Spain
Date of event: 07/10/2017
End date: 08/10/2017
Organising entity: Red Andaluza de Astronomía (RADA)
Javier Peralta.
- 4 Title of the work:** Venus, seen from the UV Imager onboard Akatsuki
Name of the event: Venera-D Venus Modeling Workshop
Type of event: Workshop
Reasons for participation: Speaker
City of event: Moscow, Russia



Date of event: 04/10/2017

End date: 07/10/2017

Organising entity: Space Research Institute

Y. J. Lee; T. Horinouchi; A. Yamazaki; M. Yamada; S. Watanabe; T. Imamura; T. Kouyama; K. L. Jessup; S. Pérez-Hoyos; D. Titov; S. Limaye; J. Peralta; M. Takagi; T. Satoh; S. Murakami; K. Ogohara; T. M. Sato; G. L. Hashimoto.

5 Title of the work: Coordinated support campaign for Akatsuki SC

Name of the event: Venus & SOIR/VEx Workshop

Type of event: Workshop

Corresponding author: Yes

Reasons for participation: Upon invitation

City of event: Tokyo, Japan

Date of event: 26/09/2016

End date: 28/09/2016

Organising entity: Rikkyo University

Type of entity: University Department

J. Peralta; Y. J. Lee.

6 Title of the work: Ground-based Venus Observation of Amateur Astronomer for Akatsuki

Name of the event: Ordinary Meeting of ALPO-Japan at Meiji University

Type of event: Meeting

Corresponding author: Yes

Reasons for participation: Upon invitation

City of event: Ikuta, Japan

Date of event: 05/06/2016

End date: 05/06/2016

Organising entity: ALPO-Japan

Type of entity: Associations and Groups

J. Peralta; Y. J. Lee. Available on-line at:

<<http://alpo-j.asahikawa-med.ac.jp/Contents/Meeting/Tokyo/Meet1606.htm>>.

7 Title of the work: Framework to detect and classify atmospheric waves in exoplanets with inhomogeneous clouds/temperature

Name of the event: Exoplanet Atmosphere Characterization with Space-borne Optical Photometry

Type of event: Workshop

Corresponding author: Yes

Reasons for participation: Upon invitation

Geographical area: European Union

City of event: Noordwijk, Holland

Date of event: 14/12/2015

End date: 18/12/2015

Organising entity: ESTEC (ESA)

Type of entity: State agency

Javier Peralta.

8 Title of the work: Horizontal distribution of temperature in the Venus upper atmosphere

Name of the event: VIRTIS-Venus X Team Meeting 22

Type of event: Meeting

Corresponding author: Yes

Reasons for participation: Speaker

Geographical area: European Union

City of event: Florence, Italy

Date of event: 25/05/2015

End date: 26/05/2015

Organising entity: VIRTIS/VEX Team

Type of entity: Instrument Team in ESA's Venus Express mission

Javier Peralta; Miguel Angel López-Valverde; Gabriella Gilli; Arianna Piccialli.

- 9** **Title of the work:** A new look for Venus's UV major cloud feature
Name of the event: Workshop for the WSO Working Group and Spanish UV Astronomy
Type of event: Workshop
Corresponding author: Yes **Reasons for participation:** Speaker
Geographical area: National
City of event: Granada, Andalusia, Spain
Date of event: 30/06/2014
End date: 01/07/2014
Organising entity: Instituto de Astrofísica de Andalucía
Javier Peralta. **Type of entity:** State agency
- 10** **Title of the work:** A new look at the Y-feature of Venus
Name of the event: VIRTIS-Venus X Team Meeting 21
Type of event: Meeting
Corresponding author: Yes **Reasons for participation:** Speaker
Geographical area: European Union
City of event: Lisbon, Lisboa, Portugal
Date of event: 07/05/2014
End date: 08/05/2014
Organising entity: VIRTIS/VEx Team **Type of entity:** Instrument Team in ESA's Venus Express mission
Javier Peralta; Agustín Sánchez-Lavega; Miguel Angel López-Valverde; David Luz; Pedro Machado.
- 11** **Title of the work:** La Atmósfera de Venus según "Venus Express"
Name of the event: VII Spanish Space Students
Type of event: Workshop
Corresponding author: Yes **Reasons for participation:** Upon invitation
Geographical area: National
City of event: Sevilla, Andalusia, Spain
Date of event: 18/10/2013
Organising entity: Laboratorio para Experimentación en Espacio y Microgravedad (LEEM) **Type of entity:** Associations and Groups
Javier Peralta. 18/10/2013, Available on-line at: <<http://s3sevilla.blogspot.com/p/invitados.html>>.
- 12** **Title of the work:** Gravity waves in Venus mesosphere observed by the Venus Monitoring Camera on board Venus Express
Name of the event: Workshop/Winterschool on Waves and Instabilities in Geophysical and Astrophysical Flows
Type of event: Workshop
City of event: Les Houches, Auvergne, France
Date of event: 03/02/2013
End date: 08/02/2013
Organising entity: irphe, Aix Marseille université, Institut Carnot,... **Type of entity:** University Centres and Structures and Associated Bodies
A. Piccialli; D. Titov; A. Sánchez-Lavega; J. Peralta; H. Svedhem; W. J. Markiewicz.
- 13** **Title of the work:** Towards a general classification of waves in the atmosphere of Venus
Name of the event: Workshop/Winterschool on Waves and Instabilities in Geophysical and Astrophysical Flows
Type of event: Workshop



Corresponding author: Yes
City of event: Les Houches, Auvergne, France
Date of event: 03/02/2013
End date: 08/02/2013

Organising entity: irphe, Aix Marseille université, Institut Carnot,...
Javier Peralta; David Luz; Arianna Piccialli; Takeshi Imamura.

Reasons for participation: Speaker

Type of entity: University Centres and Structures and Associated Bodies

14 Title of the work: El efecto de las mareas solares sobre los vientos en la región polar de Venus

Name of the event: Workshop sobre la Atmósfera de Venus

Type of event: Workshop

Corresponding author: Yes

Geographical area: National

City of event: Bilbao, Basque Country, Spain

Date of event: 17/05/2012

Organising entity: Universidad del País Vasco
J. Peralta.

Reasons for participation: Upon invitation

Type of entity: University

15 Title of the work: Contribution from simultaneous wind measurements with VEX-VMC and ground-based observations

Name of the event: 3rd Europlanet strategic workshop – 4th PHC/Sakura meeting "Venus as a transiting exoplanet"

Type of event: Workshop

Corresponding author: Yes

City of event: Paris, Île de France, France

Date of event: 05/03/2012

End date: 07/03/2012

Organising entity: Observatoire de Paris - Institut d'Astrophysique de Paris, France
Javier Peralta.

Reasons for participation: Speaker

Type of entity: R&D Centre

16 Title of the work: Migrating Solar Tides and other Waves in the polar region of Venus

Name of the event: Atmospheric Waves Workshop

Type of event: Workshop

Corresponding author: Yes

Geographical area: European Union

City of event: Noordwijk, Groningen, Holland

Date of event: 09/11/2011

End date: 10/11/2011

Organising entity: ESTEC (ESA)
Javier Peralta; David Luz; David L. Berry.

Reasons for participation: Speaker

Type of entity: R&D Centre

17 Title of the work: Analysis of VIRTIS-H Non-LTE Measurements

Name of the event: VIRTIS-Venus X Team Meeting 18

City of event: Rome, Italy

Date of event: 08/06/2011

End date: 09/06/2011

Organising entity: VIRTIS/VEx Team

Miguel Angel López-Valverde; Gabriella Gilli; Javier Peralta.

Type of entity: Instrument Team in ESA's Venus Express mission



- 18** **Title of the work:** Solar Tides in the winds of the southern polar region of Venus using VIRTISM/VEx images
Name of the event: VIRTIS-Venus X Team Meeting 18
Corresponding author: Yes **Reasons for participation:** Speaker
City of event: Rome, Italy
Date of event: 08/06/2011
End date: 09/06/2011
Organising entity: VIRTIS/VEx Team **Type of entity:** Instrument Team in ESA's Venus Express mission
Javier Peralta; David Luz; David L. Berry; Giuseppe Piccioni; Pierre Drossart; Agustín Sánchez-Lavega; Ricardo Hueso.

- 19** **Title of the work:** Meteorología del Planeta Venus
Name of the event: V Jornadas de Jóvenes Investigadores
Corresponding author: Yes
City of event: Bilbao, Basque Country, Spain
Date of event: 28/02/2007
End date: 02/03/2007
Organising entity: FEDERACION DE JOVENES INVESTIGADORES / PRECARIOS
With external admission assessment committee: Yes
Javier Peralta Calvillo.

Other dissemination activities

- 1** **Title of the work:** Interview in Webcast
Name of the event: Live programme at EPSC2020
Type of event: Media interviews **Geographical area:** European Union
Reasons for participation: Upon invitation
Corresponding author: Yes
Date of event: 23/09/2020
Organising entity: Europlanet Research Infrastructure **Type of entity:** Associations and Groups
City organizing entity: Spain
With external admission assessment committee: Yes
Javier Peralta. "IV3 – BepiColombo, Mercury and Venus flyby.". Available on-line at: <<https://vimeo.com/showcase/7587668/video/460923390>>.
- 2** **Title of the work:** EPSC2020: Parker Solar Probe, Akatsuki and Earth-bound observers give rare top-to-surface glimpse of Venus
Name of the event: Press release
Type of event: Media interviews **Geographical area:** European Union
Corresponding author: Yes
Date of event: 21/09/2020
Organising entity: Europlanet Research Infrastructure **Type of entity:** Associations and Groups
With external admission assessment committee: Yes
Javier Peralta; Ricardo Hueso. Available on-line at: <<https://www.europlanet-society.org/epsc2020-parker-solar-probe-akatsuki-and-earth-bound-observers-give-rare-top-to-surface-glimpse-of-venus/>>.



- 3** **Title of the work:** Interview in Radio
Name of the event: Campo de Gibraltar Mediodía
Type of event: Media interviews **Geographical area:** European Union
Reasons for participation: Upon invitation
City of event: Algeciras, Andalusia, Spain
Date of event: 16/09/2020
Organising entity: CANAL SUR RADIO, S.A.
Javier Peralta. "Interview to talk about the potential discovery of life on Venus.". Available on-line at: <http://progressive.shooowit.net/remotes/rtva/mp3-web/Chopper/2894638/2894638-campo_de_gibraltar_mediodia-20200916_1200_1300.mp3>.
- 4** **Title of the work:** Interview in Radio
Name of the event: Planetary Radio
Type of event: Media interviews **Geographical area:** Non EU International
Reasons for participation: Upon invitation
Corresponding author: Yes
Date of event: 16/09/2020
Organising entity: The Planetary Society **Type of entity:** Associations and Groups
City organizing entity: United States of America
Javier Peralta. ""Have We Found Evidence of Life on Venus?"". Available on-line at: <<https://www.planetary.org/planetary-radio/0916-2020-venus-phosphine-discovery-casey-dreier>>.
- 5** **Title of the work:** El algecireño Javier Peralta avanza en los descubrimientos sobre el cielo de Venus
Name of the event: Interview in Newspaper
Type of event: Media interviews
Reasons for participation: Upon invitation
City of event: Algeciras, Andalusia, Spain
Date of event: 10/08/2020
Organising entity: Europa Sur **Type of entity:** Newspaper
City organizing entity: Algeciras, Andalusia, Spain
Available on-line at: <https://www.europasur.es/algeciras/ciencia-algecireno-Javier-Peralta-descubrimientos-Venus_0_1489951111.html>.
- 6** **Title of the work:** Giant Cloud Disruption, Unnoticed for 35 Years, Discovered on Venus
Name of the event: Press release
Type of event: Media interviews
Corresponding author: Yes
Date of event: 05/08/2020
Organising entity: National Aeronautics and Space Administration (NASA)
Available on-line at: <<https://solarsystem.nasa.gov/news/1413/giant-cloud-disruption-unnoticed-for-35-years-discovered-on-venus/>>.
- 7** **Title of the work:** Akatsuki reveals a giant cloud disruption unnoticed for 35 years on Venus
Name of the event: Press release
Type of event: Media interviews
Corresponding author: Yes
City of event: Tokyo, Japan
Date of event: 05/08/2020
Organising entity: Japan Aerospace Exploration Agency (JAXA)
Available on-line at: <<http://www.isas.jaxa.jp/en/topics/002413.html>>.

- 8** **Title of the work:** Decades-long deep giant cloud disruption discovered on Venus
Name of the event: Press release
Type of event: Media interviews
Corresponding author: Yes
City of event: Lisbon, Lisboa, Portugal
Date of event: 05/08/2020
Organising entity: Instituto de Astrofísica e Ciências do Espaço (IA) **Type of entity:** Public Research Body
City organizing entity: Lisbon, Lisboa, Portugal
Available on-line at: <<https://divulgacao.iastro.pt/en/2020/08/05/decades-long-deep-giant-cloud-disruption-discovered-on-venus/>>.
- 9** **Title of the work:** Hallan en las densas nubes de Venus una gigantesca ola oculta durante 35 años
Name of the event: Press release
Type of event: Media interviews
Corresponding author: Yes
City of event: Madrid, Community of Madrid, Spain
Date of event: 05/08/2020
Organising entity: AGENCIA EFE, S.A.
Available on-line at: <<https://www.efe.com/efe/espana/destacada/hallan-en-las-densas-nubes-de-venus-una-gigantesca-ola-oculta-durante-35-anos/10011-4312787>>.
- 10** **Title of the work:** Interview in Radio
Name of the event: La Mañana del Verano
Type of event: Media interviews **Geographical area:** European Union
Reasons for participation: Upon invitation
City of event: Sevilla, Andalusia, Spain
Date of event: 23/07/2020
Organising entity: CANAL SUR RADIO, S.A.
Javier Peralta. "Barto Martos entrevista al astrofísico andaluz Javier Peralta que ha trabajado en la Agencia Espacial de Japón". Available on-line at: <<https://www.canalsur.es/multimedia.html?id=1605492>>.
- 11** **Title of the work:** Interview in Radio
Name of the event: Andalucía Cerca de ti
Type of event: Media interviews **Geographical area:** European Union
Reasons for participation: Upon invitation
City of event: Sevilla, Andalusia, Spain
Date of event: 30/05/2020
Organising entity: CANAL SUR RADIO, S.A.
Javier Peralta. "Entrevista en "Andalucía Cerca de ti"". Available on-line at: <<https://www.canalsur.es/radio/programas/andalucia-cerca-de-ti/detalle/418650.html>>.
- 12** **Title of the work:** Interview in Radio
Name of the event: La Tarde con Mariló Maldonado
Type of event: Media interviews **Geographical area:** European Union
Reasons for participation: Upon invitation
City of event: Sevilla, Andalusia, Spain
Date of event: 22/05/2020
Organising entity: CANAL SUR RADIO, S.A.
Javier Peralta. "El cielo del Estrecho por Javier Peralta". Available on-line at: <<https://www.canalsur.es/multimedia.html?id=1585565>>.



- 13** **Title of the work:** Interview in Radio
Name of the event: Investigadores por el Mundo
Type of event: Media interviews
Reasons for participation: Upon invitation
Corresponding author: Yes
City of event: Madrid, Community of Madrid, Spain
Date of event: 28/01/2020
Organising entity: Libertad FM **Type of entity:** Radio Station
City organizing entity: Madrid, Community of Madrid, Spain
Javier Peralta. Available on-line at: <<https://www.investigadoresporelmundo.com/podcast/regimen-ciclostrofico-terapias-re-mielinizantes-ref100077667.html>>.
- 14** **Title of the work:** Interview in Radio
Name of the event: Planetary Radio
Type of event: Media interviews
Reasons for participation: Upon invitation
Corresponding author: Yes
Date of event: 06/11/2019
Organising entity: The Planetary Society **Type of entity:** Associations and Groups
City organizing entity: United States of America
Javier Peralta. "Interview about article "Exploring Venus, Earth's Mysterious Sister Planet"". Available on-line at: <<https://www.planetary.org/multimedia/planetary-radio/show/2019/1106-2019-javier-peralta.html>>.
- 15** **Title of the work:** "Javier Peralta Studying Venus to Understand Greenhouse Effect on Earth"
Name of the event: Interview in Reach Magazine
Type of event: Media interviews
Reasons for participation: Upon invitation
City of event: Gibraltar, Gibraltar
Date of event: 22/09/2019
Organising entity: Reach/Alcance **Type of entity:** Business
City organizing entity: Gibraltar, Gibraltar
Javier Peralta. "Javier Peralta Studying Venus to Understand Greenhouse Effect on Earth". En: REACH-ALCANCE. 19, pp. 24 - 26. (Gibraltar): 16/09/2019. Available on-line at: <<https://www.reachextra.com/javier-peralta-venus-greenhouse-effect/>>.
- 16** **Title of the work:** Interview in Radio
Name of the event: Campo de Gibraltar Mediodía
Type of event: Media interviews **Geographical area:** European Union
Reasons for participation: Upon invitation
City of event: Algeciras, Andalusia, Spain
Date of event: 03/09/2019
Organising entity: CANAL SUR RADIO, S.A.
Javier Peralta. "Interview to introduce article about Venus published by the Planetary Society.". Available on-line at: <http://progressive.shooowit.net/remotes/rtva/mp3-web/Chopper/2894638/2894638-campo_de_gibraltar_mediodia-20190903_1200_1300.mp3>.
- 17** **Title of the work:** Astronomía al fresquito: Quédate helado con las estrellas
Name of the event: Ciencia al fresquito
Type of event: Conferences given **Geographical area:** European Union
Reasons for participation: Upon invitation



Corresponding author: Yes

City of event: Algeciras, Andalusia, Spain

Date of event: 29/08/2019

Organising entity: Diverciencia

Type of entity: Associations and Groups

City organizing entity: Algeciras, Andalusia, Spain

Javier Peralta Calvillo. Available on-line at: <<https://idescubre.fundaciondescubre.es/agenda/astronomia-al-fresquito-quedate-helado-con-las-estrellas/>>.

18 Title of the work: Un algecireño en el cielo de Venus

Name of the event: Interview in Newspaper

Type of event: Media interviews

Reasons for participation: Upon invitation

City of event: Algeciras, Andalusia, Spain

Date of event: 13/05/2019

Organising entity: Europa Sur

Type of entity: Newspaper

City organizing entity: Algeciras, Andalusia, Spain

Available on-line at:

<https://www.europasur.es/algeciras/Javier-Peralta-algecireno-cielo-Venus_0_1354064970.html>.

19 Title of the work: The complex features and dynamics of the middle and lower clouds of Venus as revealed by Akatsuki

Name of the event: ISAS Coffee Chat

Type of event: Conferences given

Geographical area: Non EU International

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Sagamihara, Japan

Date of event: 06/03/2019

Organising entity: Japan Aerospace Exploration Agency (JAXA)

Type of entity: Public Research Body

City organizing entity: Sagamihara, Japan

20 Title of the work: Interview in Radio

Name of the event: La Hora del Campo de Gibraltar

Type of event: Media interviews

Geographical area: European Union

Reasons for participation: Upon invitation

City of event: Algeciras, Andalusia, Spain

Date of event: 16/01/2019

Organising entity: CANAL SUR RADIO, S.A.

Javier Peralta. "Interview to explain of observations of Venus with NASA/IRTF telescope.". Available on-line at: <<http://www.canalsur.es/radio/programas/la-hora-del-campo-de-gibraltar/detalle/417993.html?video=1380069&fecha=&ano=>>>.

21 Title of the work: Interview in Radio

Name of the event: La Hora del Campo de Gibraltar

Type of event: Media interviews

Geographical area: European Union

Reasons for participation: Upon invitation

City of event: Algeciras, Andalusia, Spain

Date of event: 10/12/2018

Organising entity: CANAL SUR RADIO, S.A.

Javier Peralta. Available on-line at: <<http://www.canalsur.es/radio/programas/la-hora-del-campo-de-gibraltar/detalle/417993.html?video=1367653&fecha=&ano=>>>.



- 22** **Title of the work:** Nightside Winds at the Lower Clouds of Venus with Akatsuki/IR2
Name of the event: Press release
Type of event: Media interviews
Corresponding author: Yes
City of event: Tokyo, Japan
Date of event: 07/12/2018
Organising entity: Japan Aerospace Exploration Agency (JAXA)
Available on-line at: <<http://fanfun.jaxa.jp/jaxatv/detail/13591.html>>.
- 23** **Title of the work:** Audio tour of the Solar System (designed by Mind's Eye "Shrinking Space")
Name of the event: Festival of Science: Space
Type of event: Fairs and exhibitions **Geographical area:** European Union
Reasons for participation: Upon invitation
City of event: London, Inner London, United Kingdom
Date of event: 05/05/2018
Organising entity: Royal Albert Hall **Type of entity:** Associations and Groups
City organizing entity: London, United Kingdom
Javier Peralta. Available on-line at: <<http://www.shrinkingspace.com/mindseye>>.
- 24** **Title of the work:** Interview in Radio
Name of the event: Radioscopio (RAI)
Type of event: Media interviews
City of event: Granada, Andalusia, Spain
Date of event: 09/02/2018
Organising entity: CANAL SUR RADIO, S.A.
Javier Peralta. Available on-line at:
<http://www.ivoox.com/radioscopio-n-178-viaje-a-venus-audios-mp3_rf_23685860_1.html>.
- 25** **Title of the work:** Un algecireño en la órbita de Venus
Name of the event: Interview in Newspaper
Type of event: Media interviews
Reasons for participation: Upon invitation
City of event: Algeciras, Andalusia, Spain
Date of event: 26/07/2017
Organising entity: Europa Sur **Type of entity:** Newspaper
City organizing entity: Algeciras, Andalusia, Spain
Available on-line at: <https://www.europasur.es/algeciras/algecireno-orbita-Venus_0_1157584314.html>.
- 26** **Title of the work:** Interview in Radio
Name of the event: Aquí Estamos en Campo de Gibraltar
Type of event: Media interviews **Geographical area:** European Union
Reasons for participation: Upon invitation
City of event: Algeciras, Andalusia, Spain
Date of event: 24/07/2017
Organising entity: CANAL SUR RADIO, S.A.
Javier Peralta. Available on-line at: <<http://www.canalsur.es/multimedia.html?id=1186896>>.
- 27** **Title of the work:** "Las ondas gravitacionales revolucionarán la astronomía"
Name of the event: IDESQBRE magazine
Type of event: Media interviews
Reasons for participation: Upon invitation



Date of event: 19/05/2016

Organising entity: Fundacion Descubre

Type of entity: Foundation

Available on-line at: <<https://idescubre.fundaciondescubre.es/2016/05/19/las-ondas-gravitacionales-revolucionaran-la-astronomia/>>.

28 Title of the work: The atmosphere of Venus with Akatsuki and Venus Express

Name of the event: Microcharlas sobre el macrocosmos

Type of event: Conferences given

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Tokyo, Japan

Date of event: 19/04/2016

Organising entity: Instituto Cervantes

Type of entity: Public Entity

Available on-line at: <http://tokio.cervantes.es/FichasCultura/Ficha105010_67_1.htm>.

29 Title of the work: Hot News from Hot Venus

Name of the event: Charlas Divulgativas

Type of event: Conferences given

Geographical area: European Union

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Jerez de la Frontera, Andalusia, Spain

Date of event: 31/03/2016

Organising entity: LAUDE El Altillo School

Type of entity: School

Javier Peralta. Available on-line at:

<<http://www.laudealtillo.com/noticias/charla-aerospace-jap%C3%B3n-javier-peralta/>>.

30 Title of the work: Interview on TV

Name of the event: La Esquina

Type of event: Media interviews

Reasons for participation: Upon invitation

City of event: Algeciras, Andalusia, Spain

Date of event: 19/03/2015

Organising entity: Onda Algeciras TV

Type of entity: Public TV

Available on-line at:

<<https://www.youtube.com/watch?v=yLZAIY-VicU&index=1&list=PLwyJKOSqTMpr734U97DPE9lpJptF6CgXq>>.

31 Title of the work: Algeciras en la órbita de Venus

Name of the event: Hoy por Hoy Campo de Gibraltar

Type of event: Media interviews

Reasons for participation: Upon invitation

Date of event: 03/03/2015

Organising entity: Radio Algeciras (cadena SER)

Type of entity: Company

Available on-line at:

<http://www.ivoox.com/javier-peralta-algeciras-orbita-venus-audios-mp3_rf_4158770_1.html>.

32 Title of the work: El algecireño Javier Peralta lidera un nuevo hito científico mundial

Name of the event: Interview in Newspaper

Type of event: Media interviews

Reasons for participation: Upon invitation

City of event: Algeciras, Andalusia, Spain

Date of event: 03/03/2015



Organising entity: Europa Sur

Type of entity: Newspaper

City organizing entity: Algeciras, Andalusia, Spain

Available on-line at:

<https://www.europasur.es/algeciras/algecireno-Javier-Peralta-cientifico-mundial_0_894810700.html>.

- 33** **Title of the work:** Perdone, ¿cómo se va de Algeciras a la Agencia Espacial Japonesa?
Name of the event: XIV Semana de la Ciencia en Andalucía / II Ciclo La investigación astronómica y sus protagonistas
Type of event: Conferences given **Geographical area:** European Union
Reasons for participation: Upon invitation
Corresponding author: Yes
City of event: Algeciras, Andalusia, Spain
Date of event: 14/11/2014
Organising entity: Escuela Politécnica Superior de Algeciras **Type of entity:** University Centres and Structures and Associated Bodies
Javier Peralta. Available on-line at:
<http://www.europasur.es/algeciras/algecireno-Javier-Peralta-aventura-Japon_0_862114448.html>.
- 34** **Title of the work:** Javier Peralta, un genio algecireño en la Agencia Espacial de Japón
Name of the event: Interview in Newspaper
Type of event: Media interviews
Reasons for participation: Upon invitation
City of event: Algeciras, Andalusia, Spain
Date of event: 13/11/2014
Organising entity: Europa Sur **Type of entity:** Newspaper
City organizing entity: Algeciras, Andalusia, Spain
Available on-line at:
<https://www.europasur.es/algeciras/Javier-Peralta-Agencia-Espacial-Japon_0_861814113.html>.
- 35** **Title of the work:** Peralta, primero en deducir y clasificar las ondas de Venus
Name of the event: Interview in Newspaper
Type of event: Media interviews
Reasons for participation: Upon invitation
City of event: Algeciras, Andalusia, Spain
Date of event: 27/07/2014
Organising entity: Europa Sur **Type of entity:** Newspaper
City organizing entity: Algeciras, Andalusia, Spain
"Peralta, primero en deducir y clasificar las ondas de Venus". Available on-line at:
<https://www.europasur.es/algeciras/Peralta-primero-deducir-clasificar-Venus_0_829117579.html>.
- 36** **Title of the work:** Art critic for Esculpture "Post Apocalyptic Design" by Viktor Ferrando
Name of the event: Planet Ferrovia (sector VII) "Subcosmica Gravitatoria"
Type of event: Fairs and exhibitions
Reasons for participation: Upon invitation
Corresponding author: Yes
City of event: Valencia, Valencian Community, Spain
Date of event: 24/02/2014
Organising entity: Ciudad de las artes y las ciencias de Valencia
Javier Peralta Calvillo. "A la escultura "Post Apocalyptic Design"". Available on-line at:
<<http://www.viktorferrando.com/javier-peralta-calvillo/>>.



- 37** **Title of the work:** Man on the Moon: a NASA's feat or Hollywood's production?
Name of the event: Noites no Observatório Astronomico de Lisboa
Type of event: Conferences given
City of event: Lisboa, Lisboa, Portugal
Date of event: 31/10/2012
Organising entity: Observatório Astronomico de Lisboa
J. Peralta. **Type of entity:** University Centres and Structures and Associated Bodies
- 38** **Title of the work:** Terrestrial Planets in the Solar System
Name of the event: Noites no Observatório Astronomico de Lisboa
Type of event: Conferences given
City of event: Lisboa, Lisboa, Portugal
Date of event: 31/03/2012
Organising entity: Observatório Astronomico de Lisboa
J. Peralta. **Type of entity:** University Centres and Structures and Associated Bodies
- 39** **Title of the work:** The Gaseous Giants and Their Moons
Name of the event: Noites no Observatório Astronomico de Lisboa
Type of event: Conferences given
City of event: Lisboa, Lisboa, Portugal
Date of event: 26/11/2011
Organising entity: Observatório Astronomico de Lisboa
J. Peralta. **Type of entity:** University Centres and Structures and Associated Bodies
- 40** **Title of the work:** Interview on TV
Name of the event: Sapo TV
Type of event: Media interviews
Reasons for participation: Upon invitation
City of event: Lisbon, Lisboa, Portugal
Date of event: 17/11/2011
Organising entity: Sapo TV
Javier Peralta. Available on-line at: <<https://desporto.sapo.ao/jolGKnCcd3gDKdUn7ay9>>.
- 41** **Title of the work:** Estrangeiro em Lisboa
Name of the event: Time OUT Lisboa
Type of event: Media interviews
Reasons for participation: Upon invitation
City of event: Lisbon, Lisboa, Portugal
Date of event: 24/08/2011
Organising entity: Time OUT Lisboa
Javier Peralta.
- 42** **Title of the work:** The Gaseous Giants
Name of the event: Noites no Observatório Astronomico de Lisboa
Type of event: Conferences given
City of event: Lisboa, Lisboa, Portugal
Date of event: 09/04/2011



Organising entity: Observatório Astronomico de Lisboa
J. Peralta.

Type of entity: University Centres and Structures and Associated Bodies

43 Title of the work: Atmósferas Planetarias
Name of the event: XXII Semana Cultural
Type of event: Conferences given
Corresponding author: Yes
City of event: Algeciras, Andalusia, Spain
Date of event: 22/04/2009
Organising entity: I.E.S. Saladillo
City organizing entity: Algeciras, Andalusia, Spain
Javier Peralta.

Type of entity: School

44 Title of the work: Evolución Estelar
Name of the event: Charlas Divulgativas
Type of event: Conferences given
Corresponding author: Yes
City of event: Algeciras, Andalusia, Spain
Date of event: 28/10/2003
Organising entity: Centro Educativo Vicenciano Huerta de la Cruz
Javier Peralta.

45 Title of the work: El Sol
Name of the event: Charlas Divulgativas
Type of event: Conferences given
Corresponding author: Yes
City of event: Algeciras, Andalusia, Spain
Date of event: 23/10/2003
Organising entity: Colegio Salesiano M^a Auxiliadora
Javier Peralta.

R&D management and participation in scientific committees

Evaluation and revision of R&D projects and articles

1 Name of the activity: Review of Scientific Article
Performed tasks: Mesoscale modeling of Venus' bow-shape waves
Entity where activity was carried out: Icarus **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start-End date: 05/2019 - 05/2019

2 Name of the activity: Review of Scientific Article
Performed tasks: Mesoscale modeling of Venus' bow-shape waves
Entity where activity was carried out: Icarus **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International



Start-End date: 28/02/2019 - 04/2019

- 3** **Name of the activity:** Review of Scientific Article
Performed tasks: Modeling VIRTIS/VEX O2(a1?g) nightglow profiles affected by the propagation of gravity waves in the Venus upper mesosphere
Entity where activity was carried out: Journal of Geophysical Research: Planets **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start-End date: 09/2014 - 02/10/2014
- 4** **Name of the activity:** Review of Scientific Article
Performed tasks: Modeling VIRTIS/VEX O2(a1?g) nightglow profiles affected by the propagation of gravity waves in the Venus upper mesosphere
Entity where activity was carried out: Journal of Geophysical Research: Planets **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start-End date: 27/11/2013 - 02/10/2014
- 5** **Name of the activity:** Review of Scientific Article
Performed tasks: Modeling VIRTIS/VEX O2(a1?g) nightglow profiles affected by the propagation of gravity waves in the Venus upper mesosphere
Entity where activity was carried out: Journal of Geophysical Research: Planets **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start-End date: 07/2014 - 08/2014
- 6** **Name of the activity:** Review of Scientific Article
Performed tasks: Horizontal structure of planetary-scale waves at the cloud top of Venus deduced from Galileo SSI images with an improved cloud-tracking technique
Entity where activity was carried out: Planetary and Space Science **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** European Union
Start-End date: 07/06/2010 - 26/08/2011
- 7** **Name of the activity:** Review of Scientific Article
Performed tasks: First estimate of wind fields in the Jupiter polar regions from JIRAM-Juno images
Entity where activity was carried out: Journal of Geophysical Research: Planets **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start date: 15/05/2018



- 8** **Name of the activity:** Review of Scientific Article
Performed tasks: First estimate of wind fields in the Jupiter polar regions from JIRAM-Juno images
Entity where activity was carried out: Journal of Geophysical Research: Planets **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start date: 10/03/2018
- 9** **Name of the activity:** Review of Scientific Article
Performed tasks: The Atmospheric Dynamics of Venus
Entity where activity was carried out: Space Science Reviews **Type of entity:** Scientific Reviews
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start date: 16/03/2017
- 10** **Name of the activity:** Review of Scientific Article
Performed tasks: Long Term Evolution of Temperature in the Venus Upper Atmosphere at the Evening and Morning Terminators
Entity where activity was carried out: Icarus **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start date: 08/11/2016
- 11** **Name of the activity:** Review of Scientific Article
Performed tasks: Ground-based observation of the cyclic nature and temporal variability of planetary scale UV-features at the Venus cloud top level
Entity where activity was carried out: Icarus **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start date: 07/05/2016
- 12** **Name of the activity:** Review of Scientific Article
Performed tasks: Ground-based observation of the cyclic nature and temporal variability of planetary scale UV-features at the Venus cloud top level
Entity where activity was carried out: Icarus **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start date: 02/02/2016
- 13** **Name of the activity:** Review of Scientific Article
Performed tasks: Long Term Evolution of Temperature in the Venus Upper Atmosphere at the Evening and Morning Terminators
Entity where activity was carried out: Icarus **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International



Start date: 02/2016

- 14 Name of the activity:** Review of Scientific Article
Performed tasks: Automated cloud tracking system for the Akatsuki Venus Climate Orbiter data
Entity where activity was carried out: Icarus **Type of entity:** Scientific Journal
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** Non EU International
Start date: 07/04/2011

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: Instituto de Astrofísica de Andalucía
City of entity: Granada, Andalusia, Spain
Start-End date: 01/10/2018 - 12/10/2018 **Duration:** 13 days
Goals of the stay: Post-doctoral
Provable tasks: Use the Radiative Transfer Model KOPRA to measure Doppler winds on Venus
- 2 Entity:** Instituto de Astrofísica e Ciências do Espaço (IA) **Type of entity:** Public Research Body
Faculty, institute or centre: Observatório Astronómico de Lisboa
City of entity: Lisbon, Lisboa, Portugal
Start-End date: 30/07/2018 - 03/08/2018 **Duration:** 5 days
Goals of the stay: Post-doctoral
Provable tasks: Collaboration in several works about Venus
- 3 Entity:** Instituto de Astrofísica e Ciências do Espaço (IA) **Type of entity:** Public Research Body
Faculty, institute or centre: Observatório Astronómico de Lisboa
City of entity: Lisbon, Lisboa, Portugal
Start-End date: 10/10/2017 - 12/10/2017 **Duration:** 3 days
Goals of the stay: Post-doctoral
Provable tasks: Collaboration in several works about Venus
- 4 Entity:** Max-Planck-Gesellschaft **Type of entity:** Public Research Body
Faculty, institute or centre: Max Planck Institute for Solar System Research
City of entity: Katlenburg-Lindau, Germany
Start-End date: 09/05/2011 - 08/07/2011 **Duration:** 2 months
Goals of the stay: Contracted
Provable tasks: Analysis of Venus Monitoring Camera (VMC) data
Acquired skills developed: Two-month research stage with Dr. Wojciech Markiewicz where I carried out second-order corrections for the navigation of the images taken by the camera VMC onboard Venus Express (internal Technical Report, ref. W. Markiewicz). These corrections included the camera's field of view, the pointing and the timing.



- 5** **Entity:** Istituto Nazionale di Astrofisica **Type of entity:** R&D Centre
Faculty, institute or centre: Istituto di Astrofisica Spaziale e Fisica Cosmica - Roma
City of entity: Roma, Italy
Start-End date: 28/04/2008 - 28/07/2008 **Duration:** 3 months
Goals of the stay: Doctorate
Provable tasks: Analysis and modeling of the VIRTIS data from the Venus Express mission
- 6** **Entity:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency
City of entity: Granada, Andalusia, Spain
Start-End date: 08/10/2004 - 08/12/2004 **Duration:** 2 months
Goals of the stay: Guest
Provable tasks: Análisis de espectros de MIPAS-Envisat

Obtained grants and scholarships

- 1** **Name of the grant:** International Top Young Fellowship (ITYF)
City awarding entity: Sagamihara, Japan
Aims: Post-doctoral
Awarding entity: Japan Aerospace Exploration Agency (JAXA) **Type of entity:** Public Research Body
Amount of the grant: 263.898 €
Conferral date: 14/10/2014 **Duration:** 5 years
End date: 31/03/2020
Entity where activity was carried out: Japan Aerospace Exploration Agency (JAXA)
- 2** **Name of the grant:** Bolsa de Postdoutoramento de FCT
City awarding entity: Lisboa, Lisboa, Portugal
Aims: Post-doctoral
Awarding entity: Fundação para a Ciência e a Tecnologia (FCT) **Type of entity:** Public Research Body
Amount of the grant: 55.000 €
Conferral date: 23/10/2009 **Duration:** 3 years
End date: 31/01/2013
Entity where activity was carried out: Centro de Astronomia e Astrofísica da Universidade de Lisboa (CAAUL)
Faculty, institute or centre: Observatorio Astronomica de Lisboa
- 3** **Name of the grant:** PhD Fellowship
Aims: Pre-doctoral
Awarding entity: Universidad del País Vasco **Type of entity:** University
Conferral date: 01/04/2005 **Duration:** 4 years
End date: 31/03/2009



Scientific societies and professional associations

- 1 Name of the society:** European Geosciences Union (EGU)
N° of members: 17.000
Start-End date: 2008 - 2009
- 2 Name of the society:** American Astronomical Society (AAS)
City affiliation entity: Washington, D.C., United States of America
N° of members: 7.000
Start-End date: 2006 - 2008
- 3 Name of the society:** European Astronomical Society (EAS)
Affiliation entity: University of Geneva
City affiliation entity: Geneva, Switzerland
Start date: 13/03/2020
- 4 Name of the society:** Japan Geoscience Union (JpGU)
City affiliation entity: Japan
N° of members: 9.000
Start date: 02/02/2017
- 5 Name of the society:** Sociedad Española de Astronomía (SEA)
Affiliation entity: Universitat de Barcelona
Type of entity: University
City affiliation entity: Barcelona, Catalonia, Spain
Professional category: Socio Numerario (N494)
Start date: 2006

Prizes, mentions and distinctions

- 1 Description:** Distinción por el Día de Andalucía
Awarding entity: Ayuntamiento de Algeciras
Type of entity: Ayuntamiento
City awarding entity: Algeciras, Andalusia, Spain
Conferral date: 27/02/2018
- 2 Description:** Award for Outstanding Contribution to the Venus Express Mission
Awarding entity: European Space Agency (ESA)
Type of entity: Public Research Body
City awarding entity: Noordwijk, Zuid-Holland, Holland
Conferral date: 15/12/2015
- 3 Description:** Extraordinary Award of Doctorate 2012
Awarding entity: Universidad del País Vasco
Type of entity: University
City awarding entity: Bilbao, Basque Country, Spain
Conferral date: 08/09/2011



Obtained accreditations/recognitions

- 1** **Description:** Investigación (Profesor Agregado)
Accrediting entity: AGENCIA PER A LA QUALITAT DEL SISTEMA UNIVERSITARI DE CATALUNYA
City accrediting entity: Barcelona, Catalonia, Spain
Date of reception: 15/05/2020 **Date of recognition:** 27/04/2020
- 2** **Description:** Profesor Lector
Accrediting entity: AGENCIA PER A LA QUALITAT DEL SISTEMA UNIVERSITARI DE CATALUNYA
City accrediting entity: Barcelona, Catalonia, Spain
Date of reception: 14/04/2020 **Date of recognition:** 05/03/2020
- 3** **Description:** Profesor Ayudante Doctor
Accrediting entity: Ministerio de Ciencia e Innovación. Universidades **Type of entity:** Ministry
City accrediting entity: Madrid, Community of Madrid, Spain
Date of reception: 03/03/2020 **Date of recognition:** 03/03/2020
- 4** **Description:** Profesor Contratado Doctor
Accrediting entity: Ministerio de Ciencia e Innovación. Universidades **Type of entity:** Ministry
City accrediting entity: Madrid, Community of Madrid, Spain
Date of reception: 03/03/2020 **Date of recognition:** 03/03/2020
- 5** **Description:** Profesor de Universidad Privada
Accrediting entity: Ministerio de Ciencia e Innovación. Universidades **Type of entity:** Ministry
City accrediting entity: Madrid, Community of Madrid, Spain
Date of reception: 03/03/2020 **Date of recognition:** 03/03/2020
- 6** **Description:** Personal Doctor Investigador
Accrediting entity: Agencia de Calidad del Sistema Universitario Vasco **Type of entity:** University Centres and Structures and Associated Bodies
City accrediting entity: Vitoria, Basque Country, Spain
Date of reception: 08/05/2018 **Date of recognition:** 04/2018

Summary of other achievements

Description of the achievement: Conferral of observing time with the NASA Infrared Telescope Facility
Accrediting entity: NASA **Type of entity:** Public Research Body
City accrediting entity: United States of America
Conferral date: 11/07/2018