



Francisco Jose Casino Cembellin

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Fran Casino is a postdoctoral researcher in the Department of Computer Engineering and Mathematics at Rovira i Virgili University (URV) (Tarragona, Spain), and in Athena Research Center (Athens, Greece). He received a Ph.D. in Computer Science from URV in 2017 with honours (A cum laude) as well as the best dissertation award.

He has participated in several national and international projects covering different tasks such as proposal writing, coordination, research, development, testing and validation, and dissemination. He has actively participated in European projects such as ALUNA (GA 101084929), LAZARUS (GA 101070303), CTC (GA 101036276), HEROES (GA 101021801), LOCARD (GA 832735), YAKSHA (GA 780498), OPERANDO (GA 653704), PRACTICIES (GA 740072), MITIGATE (GA 653212), GAME-ABLING (FP7-SME-2012-1-315032) and national projects such as SIMPATIC (RECERCAIXA 2013-2015), ARES (CONSOLIDER INGENIO 2010), and CO-PRIVACY (TIN2011-27076-C03-0).

He has made various stays in international research centres, conducting research, teaching and project-related activities for more than five years:

-(10/2017- 03/2022) Visiting researcher at the Piraeus University, Greece. Participation in PRACTICIES, MITIGATE, OPERANDO, and YAKSHA projects supported by EU Commission. Other activities include teaching in master courses from 2018 to 2022, research, proposal writing and dissemination tasks.

-(06/2019 – Now) External researcher and consultant in Athena Research Centre, Greece. Participation in LOCARD, HEROES, CTC, ALUNA, and LAZARUS projects supported by the EU Commission under the Horizon 2020 Program, Horizon EU Programme and EU's Internal Security Fund. Other activities include research, dissemination activities, and proposal writing.

-(04/2024) Visiting Researcher in Consejo Superior de Investigaciones Cientificas and Universidad Politécnica de Madrid.

-(11/2022) Visiting Researcher in the Faculty of Information Technology, Brno University of Technology, Czech Republic.

-(10/2016 - 02/2017) Visiting researcher in the Department of Information Science and Technology, ISCTE-IUL, Lisbon, Portugal.

Regarding collaborations, he is currently participating in the creation of an ISO standard (ISO/IEC JTC1/SC27 WG4), and collaborates with various research centres, and public institutions at the European level, including various Law Enforcement Agencies, Eurojust, and other renowned scientists in his field with whom he has strong scientific collaborations (e.g., Prof. Mauro Conti, Prof. Kim-Kwang Raymond Choo, Prof. Julio Hernandez-Castro). Overall, he has



contributed to creating guidelines, standards (e.g., CWA 17865:2022), and tools with high TRL. He is currently one of the coordinators of a disinformation campaign forum led by the national security department of Spain.

In the medical context, he has contributed to creating applications to improve the quality of life of a wide scope of patients. For example, he contributed to a tool to measure the pain of newborns, the creation of a gaming tool to improve the capacities of people with cerebral palsy (GAME-ABLING project GA 315032), and the creation of a tool to assist users with cognitive impairment and alzheimer (SIMPATIC and ANTICIPATE projects). He also contributed to several publications on wireless characterisation in medical contexts and ambient assisted living, including a route recommender system (<https://ieeexplore.ieee.org/abstract/document/8106878>) for users with physical impairments. The above states a direct impact on society by contributing to its security, privacy, and healthcare, and enhancing the trust in technology and overall quality of life.

He has contributed to dissemination activities at multiple events and congresses (i.e., he has presented his research or projects on more than 15 occasions in international venues). He has been editor in three journals with impact factor, and contributes as a reviewer in top journals in his field. He is the PI of a proposal under review (EU COST Action), which has ensured the participation of 26 countries. He has supervised one doctoral thesis (Student: Armando Maya-López, Thesis: Contributions to Statistical Disclosure Control: Enhancing Multivariate Microaggregation using Graph Theory, Outcome: Excellent, Link: <http://hdl.handle.net/10803/688657>), and has other two PhD supervisions ongoing.

His research has an interdisciplinary focus and combines several knowledge areas with disruptive technologies. Some keywords related to his research are pattern recognition, cognitive security, data management, privacy protection, cybercrime and digital investigations, recommender systems, supply chain, and blockchain. He has authored more than 60 publications in peer-reviewed international conferences and journals. He is Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), and he was listed in the World's Top 2% most influential Scientists of his field by the Stanford University in 2022 and 2023.



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.

PhD theses advised: 1

PhD theses ongoing: 2

Scopus Data (May 2024)

Citations: 2736

Index h: 23

Google Scholar Data (May 2024)

Citations: 4854

Citations last 5 years: 4192

Index h: 27

Index i10: 44

Journal publications / with impact factor: 31 / 27

Journal publications in the first quartile Q1: 15 (7 of them in the first decile) - Journal citation reports

Publications in international conferences: 27

Book chapters: 2



Francisco Jose Casino Cembellin

Surname(s): **Casino Cembellin**
 Name: **Francisco Jose**
 ORCID: **0000-0003-4296-2876**
 ScopusID: **56022479700**
 ResearcherID: **AAB-7833-2021**
 Contact aut. region/reg.: **Catalonia**
 Personal web page: **<https://sites.google.com/view/francasino>**

Current professional situation

Employing entity: Rovira i Virgili University **Type of entity:** University
Professional category: Postdoctoral researcher
City employing entity: Tarragona, Catalonia, Spain
Start date: 01/04/2022
Type of contract: Temporary employment **Dedication regime:** Full time contract
Performed tasks: Research and collaboration under the Beatriu de Pinos programme, Grant Agreement BP 2020-00035

Previous positions and activities

	Employing entity	Professional category	Start date
1	Athena Research Center	Freelance - Postdoctoral Researcher	30/06/2019
2	University of Piraeus	Freelance - Postdoctoral Researcher	12/11/2017
3	Rovira i Virgili University	Predocctoral Researcher	09/10/2013

1 **Employing entity:** Athena Research Center **Type of entity:** R&D Centre
Department: Athena Research Center
City employing entity: Athens, Attiki, Greece
Professional category: Freelance - Postdoctoral Researcher
Start-End date: 30/06/2019 - 31/03/2022 **Duration:** 2 years - 9 months - 2 days

Dedication regime: Full time

Performed tasks: Research collaboration and project participation with several research centres such as Rovira i Virgili University, Piraeus University, Athena Research Centre, University of Padua, Brno University, University of Kent and etc. Collaboration with specific researchers in different topics related to cybersecurity, supply chain, blockchain, and AI models Research collaboration, teaching activities and project participation in H2020 projects LOCARD (Grant Agreement 832735) and PRACTICIES (Grant Agreement no 740072). Development of several software solutions and blockchain-based implementations. Some of them published in GitHub <https://github.com/francasino?tab=repositories>. Collaboration still ongoing through EU projects such as LAZARUS, HEROES, and ALUNA. Participation in HEROES project.



- 2** **Employing entity:** University of Piraeus **Type of entity:** University
Department: University of Piraeus
City employing entity: Piraeus, Attiki, Greece
Professional category: Freelance - Postdoctoral Researcher
Start-End date: 12/11/2017 - 31/03/2022 **Duration:** 4 years - 4 months - 19 days
Type of contract: Temporary employment contract
Dedication regime: Full time
Performed tasks: Teaching activities till early 2022, research collaboration as well as participation in several EU projects such as: MITIGATE (Grant Agreement no 653212). Horizon 2020 Programme. OPERANDO (Grant Agreement no 653704). Horizon 2020 Programme. YAKSHA (Grant Agreement no. 780498). Horizon 2020 Programme.
Applicability in teaching and/or research: Taught courses related to information systems, networks and security. Regarding international teaching, he taught on various subjects at the University of Piraeus in Greece between 2018 and 2022. The topics of these subjects were related to security, blockchain technology, software development for mobile devices, and medical informatics, for a total of nine distinct courses over three years.
- 3** **Employing entity:** Rovira i Virgili University **Type of entity:** University
Professional category: Predoctoral Researcher
Start-End date: 09/10/2013 - 01/10/2017 **Duration:** 3 years - 11 months - 23 days
Performed tasks: Research activities, participation in several national (SIMPATIC, ARES, ANTICIPATE, CRISES) and European projects (GAME-ABLING - FP7-SME-2012-1-315032), and teaching activities in 2014, 2015, 2016 and 2017



Education

University education

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

1 University degree: Master

Name of qualification: Master en seguridad informática y sistemas inteligentes

Degree awarding entity: Universitat Rovira i Virgili **Type of entity:** University

Date of qualification: 02/04/2013

2 University degree: Middle degree

Name of qualification: Ingeniero Técnico en Informática de Sistemas

Degree awarding entity: Universitat Rovira i Virgili **Type of entity:** University

Date of qualification: 10/02/2010

Doctorates

Doctorate programme: Informática y matemáticas de la seguridad

Degree awarding entity: Universitat Rovira i Virgili **Type of entity:** University

City degree awarding entity: Tarragona, Catalonia, Spain

Date of degree: 13/10/2017

European doctorate: Yes

Date of certificate: 13/10/2017

Thesis title: Privacy-preserving crowdsourcing-based recommender systems for e-commerce & health services

Thesis director: Agusti Solanas Gomez

Obtained qualification: Excelente Cum Laude

Special doctorate award: Yes

Date of award: 11/04/2019

Language skills

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



Teaching experience

General teaching experience

- 1** **Type of teaching:** Official teaching
Name of the course: Advanced Cryptographic and Security Technologies (Blockchain technologies)
Type of programme: Master's degree
University degree: M.Sc. in Cybersecurity and Data Science
Start date: 2022 **End date:** 2022
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: University of Piraeus **Type of entity:** University
Department: Department of Informatics
City of entity: Piraeus, Attiki, Greece
Subject language: English
- 2** **Type of teaching:** Official teaching
Name of the course: Information Security of Public Services and Systems and Blockchain Technologies
Type of programme: Master's degree
University degree: M.Sc. in Digital Culture, Smart Cities, IoT and Advanced Digital Technologies
Start date: 2022 **End date:** 2022
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2
Entity: University of Piraeus **Type of entity:** University
Department: Department of Informatics
City of entity: Piraeus, Attiki, Greece
Subject language: English
- 3** **Type of teaching:** Official teaching
Name of the course: Secure Programming
Type of programme: Master's degree
University degree: M.Sc. in Advanced Informatics and Computing Systems - Software Development and Artificial Intelligence
Start date: 2022 **End date:** 2022
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: University of Piraeus **Type of entity:** University
Department: Department of Informatics
City of entity: Piraeus, Attiki, Greece
Subject language: English
- 4** **Type of teaching:** Official teaching
Name of the course: Information Security of Public Services and Systems and Blockchain Technologies
Type of programme: Master's degree
University degree: M.Sc. in Digital Culture, Smart Cities, IoT and Advanced Digital Technologies
Start date: 2021 **End date:** 2021
Type of hours/ ECTS credits: Credits



Hours/ECTS credits: 2

Entity: University of Piraeus

Department: Department of Informatics

City of entity: Piraeus, Attiki, Greece

Subject language: English

Type of entity: University

5 **Type of teaching:** Official teaching
Name of the course: Information Security
Type of programme: Master's degree
University degree: Msc Informatics
Start date: 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2,5
Entity: University of Piraeus
Department: Department of Informatics
City of entity: Piraeus, Attiki, Greece
Subject language: English

End date: 2020

Type of entity: University

6 **Type of teaching:** Official teaching
Name of the course: Information Security of Public Services and Systems and Blockchain Technologies
Type of programme: Master's degree
University degree: M.Sc. in Digital Culture, Smart Cities, IoT and Advanced Digital Technologies
Start date: 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2
Entity: University of Piraeus
Department: Department of Informatics
City of entity: Piraeus, Attiki, Greece
Subject language: English

End date: 2020

Type of entity: University

7 **Type of teaching:** Official teaching
Name of the course: Medical Informatics
Type of programme: Master's degree
University degree: Msc Informatics
Start date: 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,5
Entity: University of Piraeus
Department: Department of Informatics
City of entity: Piraeus, Attiki, Greece
Subject language: English

End date: 2020

Type of entity: University

8 **Type of teaching:** Official teaching
Name of the course: Software Development for Mobile Devices
Type of programme: Master's degree
University degree: M.Sc. in Advanced Informatics and Computing Systems - Software Development and Artificial Intelligence
Start date: 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,5
Entity: University of Piraeus

End date: 2020

Type of entity: University



Department: Department of Informatics
City of entity: Piraeus, Attiki, Greece
Subject language: English

9 **Type of teaching:** Official teaching
Name of the course: Information Security of Public Services and Systems and Blockchain Technologies
Type of programme: Master's degree
University degree: M.Sc. in Digital Culture, Smart Cities, IoT and Advanced Digital Technologies
Start date: 2018 **End date:** 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2
Entity: University of Piraeus **Type of entity:** University
Department: Department of Informatics
City of entity: Piraeus, Attiki, Greece
Subject language: English

10 **Name of the course:** Sistemes d'informació en les organitzacions
University degree: Grado en Ingeniería Telemática
Start date: 2016 **End date:** 2017
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universitat Rovira i Virgili **Type of entity:** University
Faculty, institute or centre: Departamento de Informática y matemáticas

11 **Name of the course:** Disseny de Xarxes
University degree: Grado en Ingeniería Telemática
Start date: 2015 **End date:** 2016
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universitat Rovira i Virgili **Type of entity:** University
Faculty, institute or centre: Departamento de Informática y matemáticas

12 **Name of the course:** Disseny de Xarxes
University degree: Grado en Ingeniería Telemática
Start date: 2014 **End date:** 2015
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 6
Entity: Universitat Rovira i Virgili **Type of entity:** University
Faculty, institute or centre: Departamento de Informática y matemáticas

Experience supervising doctoral thesis and/or final year projects

1 **Project title:** Graph Theory applied to Statistical Disclosure Control
Type of project: Doctoral thesis
Entity: Universitat Rovira i Virgili **Type of entity:** University
Student: Armando Maya Lopez
Obtained qualification: Excellent
Date of reading: 19/06/2023



- 2** **Project title:** (ongoing) Risks and Challenges associated with the chain of custody of cryptographic assets in law enforcement operations
Type of project: Doctoral thesis
Co-director of thesis: Luis Fernando Lago Fernandez; David Arroyo Guardeso
Entity: Universidad Aut3noma de Madrid **Type of entity:** University
City of entity: Madrid, Spain
Student: Jesus Martin Abad

Healthcare experience

Projects for planning/improving healthcare

- 1** **Name of the project:** ANTICIPATE: Early Detection of Mental Disorders and Depression in the Young through Ubiquitous Technology and Deep Learning of Mobility and Behavioural Patterns
Entity where project took place: Universitat Rovira i Virgili **Type of entity:** University
Type of call: Competitive
Start date: 01/07/2016 **Duration:** 1 year
- 2** **Name of the project:** SIMPATIC: SISTEMA INTEL·LIGENT DE MONITORITZACIO PRIVADA AUTONOMA BASAT EN TECNOLOGIES DE LA INFORMACIO I DE LES COMUNICACIONS.
Entity where project took place: Universitat Rovira i Virgili **Type of entity:** University
Funding entity: RECERCAIXA 2012
Type of call: Competitive
Start date: 01/01/2013 **Duration:** 2 years - 7 months
- 3** **Name of the project:** GAME-ABLING: Platform of games for people with cerebral palsy to enhance living adjustment
Entity where project took place: Universitat Rovira i Virgili **Type of entity:** University
Funding entity: European Commission FP7-SME
Type of call: Competitive
Start date: 01/12/2012 **Duration:** 3 years



Scientific and technological experience

Research and development groups/teams

- 1 Name of the group:** ASCLEPIUS: Smart Technology for Smart Healthcare
Aims of the group: Smart Technology and Smart Healthcare
Standardised code: 2021SGR-00111 **Type of collaboration:** Co-authorship of publications
Affiliation entity: Universitat Rovira i Virgili **Type of entity:** University
Start date: 2021 **Duration:** 4 years
- 2 Name of the group:** Smart Technologies Research Group
Aims of the group: Research leveraged in diverse fields related with the application of novel information technologies, such as health, privacy, IoT, security, etc.
Name of principal investigator: Agusti Solanas Gomez
Type of collaboration: Co-authorship of publications
Affiliation entity: Universitat Rovira i Virgili **Type of entity:** University
Start date: 2014
- 3 Name of the group:** CRISES
Aims of the group: The group interest and its contribution to the socioeconomic environment is centered in the creation of technologies that make compatible three objectives: security for companies, governments and individuals in the information society privacy of the individuals who are users or passive subjects of the information society utility of the underlying informatics systems
Name of principal investigator: Josep Domingo Ferrer
Standardised code: 2017SGR-705 **Type of collaboration:** Co-authorship of publications
Affiliation entity: Universitat Rovira i Virgili **Type of entity:** University
Start date: 2013

Scientific or technological activities

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

- 1 Name of the project:** LAZARUS - pLatform for Analysis of Resilient and secUre Software
Degree of contribution: Researcher
Entity where project took place: Athena Research **Type of entity:** R&D Centre Center
City of entity: Athens, Attiki, Greece
Type of participation: Team member
Name of the programme: Horizon Europe
Code according to the funding entity: Grant Agreement no. 10107030
Start-End date: 09/2022 - 08/2025
Total amount: 3.647.440 €
- 2 Name of the project:** ALUNA -Child protection centred strategies to fight against sexual abuse and exploitation
Degree of contribution: Researcher



Entity where project took place: Athena Research Center
Type of entity: R&D Centre
City of entity: Athens, Attiki, Greece
Type of participation: Team member
Name of the programme: European Union's Internal Security Fund
Code according to the funding entity: Grant Agreement no. 101084929
Start-End date: 06/2023 - 05/2025
Total amount: 3.599.886 €

3 **Name of the project:** HEROES - Novel Strategies to Fight Child Sexual Exploitation and Human Trafficking Crimes and Protect their Victims
Degree of contribution: Researcher
Entity where project took place: Athena Research Center
Type of entity: R&D Centre
City of entity: Athens, Attiki, Greece
Type of participation: Team member
Name of the programme: Horizon 2020
Code according to the funding entity: Grant Agreement no. 101021801
Start-End date: 12/2021 - 11/2024
Total amount: 4.999.500 €

4 **Name of the project:** CTC - Cut the Cord
Degree of contribution: Researcher
Entity where project took place: Data Centric
Type of entity: Business
City of entity: Athens, Attiki, Greece
Type of participation: Team member
Name of the programme: ISFP-2020-AG-TERFIN
Code according to the funding entity: Grant Agreement no. 101036276
Start-End date: 2021 - 2024

5 **Name of the project:** LOCARD - Lawful evidence cOLlecting & Continuity plAtfoRm Development
Degree of contribution: Researcher
Entity where project took place: Athena Research Center
Type of entity: R&D Centre
City of entity: Athens, Attiki, Greece
Type of participation: Team member
Name of the programme: Horizon 2020
Code according to the funding entity: Grant Agreement no. 832735
Start-End date: 01/05/2019 - 30/04/2022
Total amount: 6.833.385 €

6 **Name of the project:** Network and Data Science - 2017 SGR 00896
Degree of contribution: Researcher
Entity where project took place: Universitat Rovira i Virgili
Type of entity: University
City of entity: Tarragona, Catalonia, Spain
Type of participation: Team member
Name of the programme: AGAUR -Convocatòria d'ajuts per donar suport a les activitats dels grups de recerca (SGR).
Code according to the funding entity: 2017 SGR 00896
Start-End date: 01/01/2017 - 30/09/2021



Total amount: 44.480 €

7 Name of the project: YAKSHA - Cybersecurity Awareness and Knowledge Systemic High-level Application

Degree of contribution: Researcher

Entity where project took place: University of Piraeus **Type of entity:** University

City of entity: Piraeus, Attiki, Greece

Type of participation: Team member

Name of the programme: Horizon 2020

Code according to the funding entity: Grant Agreement no. 780498

Start-End date: 01/01/2018 - 30/12/2020

Total amount: 1.989.599 €

8 Name of the project: PRACTICIES - Partnership against violent radicalization in the cities

Degree of contribution: Researcher

Entity where project took place: University of Piraeus **Type of entity:** University

City of entity: Piraeus, Attiki, Greece

Type of participation: Team member

Name of the programme: Horizon 2020

Code according to the funding entity: Grant Agreement 740072

Start-End date: 01/05/2017 - 30/04/2020

Total amount: 3.378.970 €

9 Name of the project: CRISES: Security and Privacy - 2017PFR-URV-B2-41

Degree of contribution: Researcher

Entity where project took place: Universitat Rovira i Virgili **Type of entity:** University

City of entity: Tarragona, Catalonia, Spain

Type of participation: Team member

Name of the programme: UNIVERSITAT ROVIRA i VIRGILI

Code according to the funding entity: 2017PFR-URV-B2-41

Start-End date: 01/01/2018 - 31/12/2019

Total amount: 19.107 €

10 Name of the project: OPERANDO - Online Privacy Enforcement, Rights Assurance and Optimization

Degree of contribution: Researcher

Entity where project took place: University of Piraeus

City of entity: Piraeus, Attiki, Greece

Type of participation: Team member

Name of the programme: Horizon 2020

Code according to the funding entity: Grant Agreement no. 653704

Start-End date: 01/05/2015 - 30/04/2018

Total amount: 3.746.037 €

11 Name of the project: MITIGATE- Multidimensional, integrated, risk assessment framework and dynamic, collaborative Risk Management tools for critical information infrastructures

Degree of contribution: Researcher

Entity where project took place: University of Piraeus **Type of entity:** University

City of entity: Piraeus, Attiki, Greece



Type of participation: Team member
Name of the programme: Horizon 2020
Code according to the funding entity: Grant agreement ID: 653212
Start-End date: 01/09/2015 - 28/02/2018
Total amount: 3.109.794 €

12 Name of the project: CRISES: Security and Privacy - 2016PFR-URV-B2-30
Degree of contribution: Researcher
Entity where project took place: Universitat Rovira i **Type of entity:** University Virgili
City of entity: Tarragona, Catalonia, Spain
Type of participation: Team member
Name of the programme: UNIVERSITAT ROVIRA i VIRGILI
Code according to the funding entity: 2016PFR-URV-B2-30
Start-End date: 01/01/2017 - 31/12/2017
Total amount: 26.232 €

13 Name of the project: CRISES: Security and Privacy - 2015PFR-URV-B2-30
Degree of contribution: Researcher
Entity where project took place: Universitat Rovira i **Type of entity:** University Virgili
City of entity: Tarragona, Catalonia, Spain
Type of participation: Team member
Name of the programme: UNIVERSITAT ROVIRA i VIRGILI
Code according to the funding entity: 2015PFR-URV-B2-30
Start-End date: 01/01/2015 - 31/12/2017
Total amount: 23.178 €

14 Name of the project: ANTICIPATE: Early Detection of Mental Disorders and Depression in the Young through Ubiquitous Technology and Deep Learning of Mobility and Behavioural Patterns
Degree of contribution: Researcher
Entity where project took place: Universitat Rovira i **Type of entity:** University Virgili
City of entity: Tarragona, Catalonia, Spain
Type of participation: Team member
Name of the programme: UNIVERSITAT ROVIRA i VIRGILI
Code according to the funding entity: 2016EXIT-07
Start-End date: 01/07/2016 - 01/07/2017
Total amount: 6.395 €

15 Name of the project: CRISES: Security and Privacy - 2014 SGR 537
Degree of contribution: Researcher
Entity where project took place: Universitat Rovira i **Type of entity:** University Virgili
City of entity: Tarragona, Catalonia, Spain
Type of participation: Team member
Name of the programme: AGAUR -Convocatòria d'ajuts per donar suport a les activitats dels grups de recerca (SGR).
Code according to the funding entity: 2014 SGR 537
Start-End date: 01/01/2014 - 30/04/2017
Total amount: 50.000 €



- 16** **Name of the project:** CRISES: Security and Privacy - 2014PFR-URV-B2-30
Degree of contribution: Researcher
Entity where project took place: Universitat Rovira i Virgili **Type of entity:** University
City of entity: Tarragona, Catalonia, Spain
Type of participation: Team member
Name of the programme: UNIVERSITAT ROVIRA I VIRGILI
Code according to the funding entity: 2014PFR-URV-B2-30
Start-End date: 01/01/2014 - 31/12/2016
Total amount: 17.724 €
- 17** **Name of the project:** GAME-ABLING: Platform of games for people with cerebral palsy to enhance living adjustment
Degree of contribution: Researcher
Entity where project took place: Universitat Rovira i Virgili **Type of entity:** University
City of entity: Tarragona, Catalonia, Spain
Funding entity or bodies: European Commission FP7-SME **Type of entity:** European Commission
Type of participation: Team member
Name of the programme: FP7-SME
Code according to the funding entity: Grant agreement ID: 315032
Start-End date: 01/12/2012 - 31/12/2015
Total amount: 1.136.995 €
- 18** **Name of the project:** SIMPATIC: SISTEMA INTEL·LIGENT DE MONITORITZACIO PRIVADA AUTONOMA BASAT EN TECNOLOGIES DE LA INFORMACIO I DE LES COMUNICACIONS.
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Entity where project took place: Universitat Rovira i Virgili **Type of entity:** University
City of entity: Tarragona, Catalonia, Spain
Type of participation: Team member
Name of the programme: RECERCAIXA 2012
Start-End date: 01/01/2013 - 31/07/2015
Total amount: 74.446 €
- 19** **Name of the project:** ARES: Team for Advanced REsearch on information Security and privacy
Degree of contribution: Researcher
Entity where project took place: Universitat Rovira i Virgili **Type of entity:** University
City of entity: Tarragona, Catalonia, Spain
Type of participation: Team member
Name of the programme: CONSOLIDER-INGENIO 2010, Ministerio de Educación y Ciencia
Code according to the funding entity: CSD2007-00004
Start-End date: 01/10/2007 - 09/09/2014
Total amount: 1.260.203 €

**R&D non-competitive contracts, agreements or projects with public or private entities**

- 1** **Name of the project:** MONITOR THE ACTIVITIES AND SPECIFIC DELIVERABLES OF THE LAZARUS PROJECT AND ASSESS THEIR IMPACT IN TERMS OF PRIVACY, LEGAL AND ETHICS 2024
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Francisco Jose Casino Cembellin
Nº of researchers: 1
Participating entity/entities: Athena Research Center; Universitat Rovira i Virgili
Start date: 01/02/2024 **Duration:** 11 months
Total amount: 25.080 €

- 2** **Name of the project:** FURV: 8336 - MONITOR THE ACTIVITIES AND SPECIFIC DELIVERABLES OF THE LAZARUS PROJECT AND ASSESS THEIR IMPACT IN TERMS OF PRIVACY, LEGAL AND ETHICS
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Francisco Jose Casino Cembellin
Nº of researchers: 1
Participating entity/entities: Athena Research Center; Universitat Rovira i Virgili
Start date: 23/02/2023 **Duration:** 10 months
Total amount: 24.966 €

- 3** **Name of the project:** PARTICIPATION IN EU PROJECTS (GA 832735)
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Jose Casino Cembellin
Nº of researchers: 1
Participating entity/entities: Athena Research Center; Universitat Rovira i Virgili
Start date: 30/06/2019 **Duration:** 2 years - 9 months - 2 days
Total amount: 81.000 €

- 4** **Name of the project:** PARTICIPATION IN SEVERAL EU PROJECTS (GA 653704, 780498, 740072, 653212)
Degree of contribution: Researcher
Nº of researchers: 1
Participating entity/entities: Universitat Rovira i Virgili; University of Piraeus
Start date: 13/11/2017 **Duration:** 1 year - 7 months - 16 days
Total amount: 61.000 €



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1 Fran Casino; Nikolaos Totosis; Theodoros Apostolopoulos; Nikolaos Lykousas; Constantinos Patsakis. Analysis and Correlation of Visual Evidence in Campaigns of Malicious Office Documents. Digital Threats. Association for Computing Machinery, 08/2023. Available on-line at: <<https://doi.org/10.1145/3513025>>. ISSN 2692-1626

Type of production: Scientific paper **Format:** Journal
- 2 Armando Maya-López; Antoni Martínez-Ballesté; Fran Casino. A compression strategy for an efficient TSP-based microaggregation. Expert Systems with Applications. pp. 118980 - 118980. Elsevier, 2023.

Type of production: Scientific paper **Format:** Journal

Impact source: ISI **Category:** CS

Impact index in year of publication: 8.5 **Journal in the top 25%:** Yes
- 3 Thomas K. Dasaklis; Theodore G. Voutsinas; Giannis T. Tsoulfas; Fran Casino. A Systematic Literature Review of Blockchain-Enabled Supply Chain Traceability Implementations. Sustainability. 14 - 4, 2022. Available on-line at: <<https://www.mdpi.com/2071-1050/14/4/2439>>. ISSN 2071-1050

Type of production: Scientific paper **Format:** Journal

Impact source: ISI **Category:** Q2 - CS

Impact index in year of publication: 3.9
- 4 Koutsokostas, Vasilios; Lykousas, Nikolaos; Apostolopoulos, Theodoros; Orazi Gabriele; Ghosal Amrita; Fran Casino; Conti, Mauro; Constantinos Patsakis. Invoice #31415 attached: Automated analysis of malicious Microsoft Office documents. Computers & Security. 114, pp. 102582. 2022.

Type of production: Scientific paper **Format:** Journal

Corresponding author: No

Impact source: ISI **Category:** Q2- CS

Impact index in year of publication: 5.6
- 5 Vasilis Vouvoutsis; Fran Casino; Constantinos Patsakis. On the effectiveness of binary emulation in malware classification. Journal of Information Security and Applications. 68, pp. 103258 - 103258. 2022. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S2214212622001223>>. ISSN 2214-2126

Type of production: Scientific paper **Format:** Journal

Impact source: ISI **Category:** Q2 - CS

Impact index in year of publication: 5.6
- 6 Fran Casino; Thomas K. Dasaklis; Georgios P. Spathoulas; Marios Anagnostopoulos; Amrita Ghosal; István Bořoň; Agusti Solanas; Mauro Conti; Constantinos Patsakis. Research Trends, Challenges, and Emerging Topics in Digital Forensics: A Review of Reviews. IEEE Access. 10, pp. 25464 - 25493. 2022.

Type of production: Scientific paper **Format:** Journal

Impact source: ISI **Category:** Q2- CS

Impact index in year of publication: 3.9



- 7** Fran Casino; Claudia Pina; Pablo López-Aguilar; Edgar Batista; Agusti Solanas; Constantinos Patsakis. SoK: cross-border criminal investigations and digital evidence. *Journal of Cybersecurity*. 8 - 1, pp. tyac014 - tyac014. Oxford University Press, 2022.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** SS - LAW
Impact index in year of publication: 2.3 **Journal in the top 25%:** Yes
- 8** Lamprini Zarpala; Fran Casino. A blockchain-based forensic model for financial crime investigation: the embezzlement scenario. *Digital Finance*. 3 - 3, pp. 301 - 332. Springer, 2021.
Type of production: Scientific paper **Format:** Journal
- 9** E. Politou; F. Casino; E. Alepis; C. Patsakis. Blockchain Mutability: Challenges and Proposed Solutions. *IEEE Transactions on Emerging Topics in Computing*. pp. 1 - 1. 2021.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** CS
Impact index in year of publication: **Journal in the top 25%:** Yes
- 10** Fran Casino; Venetis Kanakaris; Thomas K. Dasaklis; Socrates Moschuris; Spiros Stachtiaris; Maria Pagoni; Nikolaos P. Rachaniotis. Blockchain-based food supply chain traceability: a case study in the dairy sector. *International Journal of Production Research*. 0 - 0, pp. 1 - 13. Taylor & Francis, 2021.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** CS
Impact index in year of publication: 9.018 **Journal in the top 25%:** Yes
- 11** Simon Joseph Aquilina; Fran Casino; Mark Vella; Joshua Ellul; Constantinos Patsakis. EtherClue: Digital investigation of attacks on Ethereum smart contracts. *Blockchain: Research and Applications*. 2 - 4, pp. 100028 - 100028. 2021. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S2096720921000233>>. ISSN 2096-7209
Type of production: Scientific paper **Format:** Journal
- 12** Constantinos Patsakis; Fran Casino. Exploiting Statistical and Structural Features for the Detection of Domain Generation Algorithms. *Journal of Information Security and Applications*. 2021.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Q2- CS
Impact index in year of publication: 4.960
- 13** Armando Maya-López; Fran Casino; Agusti Solanas. Improving Multivariate Microaggregation through Hamiltonian Paths and Optimal Univariate Microaggregation. *Symmetry*. 13 - 6, 2021. Available on-line at: <<https://www.mdpi.com/2073-8994/13/6/916>>. ISSN 2073-8994
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Q2 - CS
Impact index in year of publication: 2.940
- 14** Fran Casino; Nikolaos Lykousas; Ivan Homoliak; Constantinos Patsakis; Julio Hernandez-Castro. Intercepting Hail Hydra: Real-time detection of Algorithmically Generated Domains. *Journal of Network and Computer Applications*. pp. 103135 - 103135. 2021. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S1084804521001545>>. ISSN 1084-8045
Type of production: Scientific paper **Format:** Journal

**Impact source:** ISI**Impact index in year of publication:** 7.574**Category:** CS**Journal in the top 25%:** Yes

- 15** Fran Casino; Nikolaos Lykousas; Vasilios Katos; Constantinos Patsakis. Unearthing malicious campaigns and actors from the blockchain DNS ecosystem. *Computer Communications*. 179, pp. 217 - 230. 2021. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0140366421003236>>. ISSN 0140-3664

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** CS**Impact index in year of publication:** 5.047**Journal in the top 25%:** Yes

- 16** A. Zigomitos; F. Casino; A. Solanas; C. Patsakis. A Survey on Privacy Properties for Data Publishing of Relational Data. *IEEE Access*. 8, pp. 51071 - 51099. 2020. ISSN 2169-3536

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 3.367

- 17** F. Casino; C. Patsakis. An Efficient Blockchain-Based Privacy-Preserving Collaborative Filtering Architecture. *IEEE Transactions on Engineering Management*. pp. 1 - 13. 2020.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** CS**Impact index in year of publication:****Journal in the top 25%:** Yes

- 18** Eugenia Politou; Efthimios Alepis; Constantinos Patsakis; Fran Casino; Mamoun Alazab. Delegated content erasure in IPFS. *Future Generation Computer Systems*. 112, pp. 956 - 964. 2020. ISSN 0167-739X

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** CS**Impact index in year of publication:** 7.187**Journal in the top 25%:** Yes

- 19** Constantinos Patsakis; Fran Casino; Vasilios Katos. Encrypted and Covert DNS Queries for Botnets: Challenges and Countermeasures. *Computers & Security*. pp. 101614 - 101614. 2020.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** CS**Impact index in year of publication:** 4.438**Journal in the top 25%:** Yes

- 20** F. Casino; P. Lopez-Iturri; E. Aguirre; L. Azpilicueta; F. Falcone; A. {Solanas}. Enhanced Wireless Channel Estimation Through Parametric Optimization of Hybrid Ray Launching-Collaborative Filtering Technique. *IEEE Access*. 8, pp. 83070 - 83080. 2020.

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Q2 - CS**Impact index in year of publication:** 3.367

- 21** F. Casino; E. Politou; E. Alepis; C. Patsakis. Immutability and Decentralised Storage: An Analysis of Emerging Threats. *IEEE Access*. pp. 1 - 1. 2020. ISSN 2169-3536

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Category:** Q2 - CS**Impact index in year of publication:** 3.367



- 22** C. Patsakis; F. Casino; N. Lykousas; V. Katos. Unravelling Ariadne's Thread: Exploring the Threats of Decentralised DNS. IEEE Access. pp. 1 - 1. 2020.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Q2 - CS
Impact index in year of publication: 3.367
- 23** Patsakis; Casino, Fran. Hydras and IPFS: a decentralised playground for malware. International Journal of Information Security. 18 - 6, pp. 787 - 799. 12/2019.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Q3 - CS
Impact index in year of publication: 1.494
- 24** C Patsakis; K Dellios; JM De Fuentes; F Casino; A Solanas. External Monitoring Changes in Vehicle Hardware Profiles: Enhancing Automotive Cyber-Security. Journal of Hardware and Systems Security. 3 - 3, pp. 289 - 303. 09/2019.
Type of production: Scientific paper **Format:** Journal
- 25** Fran Casino; Thomas K. Dasaklis; Constantinos Patsakis. A systematic literature review of blockchain-based applications: Current status, classification and open issues. Telematics and Informatics. 36, pp. 55 - 81. 2019.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** CS
Impact index in year of publication: 4.139 **Journal in the top 25%:** Yes
- 26** F. Casino; K. R. Choo; C. Patsakis. HEDGE: Efficient Traffic Classification of Encrypted and Compressed Packets. IEEE Transactions on Information Forensics and Security. 14 - 11, pp. 2916 - 2926. 2019.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** CS
Impact index in year of publication: 6.013 **Journal in the top 25%:** Yes
- 27** Fran Casino; Constantinos Patsakis; Agusti Solanas. Privacy-Preserving Collaborative Filtering: A New Approach based on Variable-Group-Size Microaggregation. Electronic Commerce Research and Applications. pp. 100895 - 100895. 2019.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** CS
Impact index in year of publication: 3.824 **Journal in the top 25%:** Yes
- 28** F. Casino; C. Patsakis; E. Batista; F. Borràs; A. Martínez-Ballesté. Healthy Routes in the Smart City: A Context-Aware Mobile Recommender. IEEE Software. 34 - 6, pp. 42 - 47. 11/2017. ISSN 0740-7459
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** CS
Impact index in year of publication: 2.879 **Journal in the top 25%:** Yes
- 29** F. Casino; L. Azpilicueta; P. Lopez-Iturri; E. Aguirre; F. Falcone; A. {Solanas}. Optimized Wireless Channel Characterization in Large Complex Environments by Hybrid Ray Launching-Collaborative Filtering Approach. IEEE Antennas and Wireless Propagation Letters. 16, pp. 780 - 783. 2017. ISSN 1536-1225
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** TELECOM
Impact index in year of publication: 3.448 **Journal in the top 25%:** Yes



- 30** P. Lopez-Iturri; F. Casino; E. Aguirre; L. Azpilicueta; F. Falcone; A. Solanas. Performance Analysis of ZigBee Wireless Networks for AAL through Hybrid Ray Launching and Collaborative Filtering. Journal of Sensors. 2016 - 2424101, pp. 1 - 16. 2016.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Q2 - TELECOM
Impact index in year of publication: 1.704
- 31** Fran Casino; Josep Domingo-Ferrer; Constantinos Patsakis; Domènec Puig; Agusti Solanas. A k-anonymous approach to privacy preserving collaborative filtering. Journal of Computer and System Sciences. 81 - 6, pp. 1000 - 1011. 2015. ISSN 0022-0000
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** CS
Impact index in year of publication: 1.583 **Journal in the top 25%:** Yes
- 32** Thomas K. Dasaklis; Fran Casino; Constantinos Patsakis. SoK: Blockchain Solutions for Forensics. Security Informatics and Law Enforcement. Springer Nature Switzerland AG, 2021.
Type of production: Book chapter **Format:** Book
- 33** Agusti Solanas; Edgar Batista; Fran Casino; Achilleas Papageorgiou; Constantinos Patsakis. Privacy-Oriented Analysis of Ubiquitous Computing Systems: A 5-D Approach. Security of Ubiquitous Computing Systems. pp. 181 - 194. Springer, 2019. ISBN 978-3-030-10591-4
Type of production: Book chapter **Format:** Book

Works submitted to national or international conferences

- 1** **Title of the work:** The cynicism of modern cybercrime: Automating the analysis of surface web marketplaces
Name of the conference: IEEE International Conference on Service-Oriented System Engineering (SOSE)
City of event: Athens, Greece
Date of event: 17/07/2023
End date: 20/07/2023
Organising entity: IEEE
Type of contribution: Scientific book or monograph
 Nikolaos Lykousas; Vasilios Koutsokostas; Fran Casino; Constantinos Patsakis. "2023 IEEE International Conference on Service-Oriented System Engineering (SOSE)". pp. 161 - 171. 2023.
- 2** **Title of the work:** Microaggregation Optimisation Through Random Cluster Shuffling
Name of the conference: International Conference on Applications in Electronics Pervading Industry, Environment and Society
Type of event: Conference
City of event: Pisa, Italy
Date of event: 21/09/2021
End date: 22/09/2021
Organising entity: Springer
Publication in conference proceedings: Yes
Type of contribution: Scientific book or monograph
 K. Douladiris; F. Casino; T.K. Dasaklis; C. Douligeris. pp. 114 - 119. 2020.



- 3** **Title of the work:** A Blockchain Framework for Reverse Logistics of Used Medical Equipment
Name of the conference: 24th Pan-Hellenic Conference on Informatics
Type of event: Conference
City of event: Athens, Greece
Date of event: 20/11/2020
End date: 22/11/2020
Organising entity: ACM
Publication in conference proceedings: Yes
Type of contribution: Scientific book or monograph
K. Douladiris; T.K. Dasaklis; F. Casino; C. Douligeris. 12467 LNCS, pp. 181 - 191. ACM, 2020. Available on-line at: <<https://doi.org/10.1145/3437120.3437295>>. ISBN 9781450388979
- 4** **Title of the work:** Inside the X-Rated World of “Premium” Social Media Accounts
Name of the conference: International Conference on Social Informatics - SocInfo 2020
Type of event: Conference
City of event: Pisa, Italy
Date of event: 06/10/2020
End date: 09/10/2020
Type of contribution: Scientific book or monograph
N. Lykousas; F. Casino; C. Patsakis. En: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). 12467 LNCS, pp. 181 - 191. 2020. Available on-line at: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093100246&doi=10.1007%2f978-3-030-60975-7_14&partnerID=40&md5=bbb0dad5390c24256e82c002226f44>
- 5** **Title of the work:** Enhanced vendor-managed inventory through blockchain
Name of the conference: The 4th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNSM 2019
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Piraeus, Greece
Date of event: 20/09/2019
End date: 22/09/2019
Type of contribution: Scientific book or monograph
F. Casino; T.K. Dasaklis; C. Patsakis. En: 2019 4th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA-CECNSM 2019. 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076336900&doi=10.1109%2fSEEDA-CECNSM.2019.8908481&partnerID=40&md5=7cad0ef7a1ffde7bdb6aa9636fd5f955>>.
- 6** **Title of the work:** A Framework for Supply Chain Traceability Based on Blockchain Tokens
Name of the conference: International Conference on Business Process Management BPM 2019
Type of event: Conference
City of event: Vienna, Austria
Date of event: 01/09/2019
End date: 06/09/2019
Type of contribution: Scientific book or monograph
Thomas K.and Casino Dasaklis; Costasand Douligeris Franand Patsakis. "Business Process Management Workshops". pp. 704 - 716. Springer International Publishing, 2019. ISBN 978-3-030-37453-2
- 7** **Title of the work:** Modeling food supply chain traceability based on blockchain technology
Name of the conference: IFAC/IFIP/IFORS/IISE/INFORMS Conference on Manufacturing Modelling, Management andControl - 9th MIM 2019
Type of event: Conference

City of event: Berlin, Germany

Date of event: 28/08/2019

End date: 30/08/2019

Type of contribution: Scientific book or monograph

F. Casino; V. Kanakaris; T.K. Dasaklis; S. Moschuris; N.P. Rachaniotis. En: IFAC-PapersOnLine. 52 - 13, pp. 2728 - 2733. 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078938382&doi=10.1016%2fj.ifacol.2019.11.620&partnerID=40&md5=25415d4a580255dc95fc08c7bd34a076>>

8 Title of the work: Improving Vendor-managed Inventory Strategy Based on Internet of Things (IoT) Applications and Blockchain Technology

Name of the conference: The 1st IEEE International Conference on Blockchain and Cryptocurrency ICBC 2019

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Seoul,

Date of event: 14/05/2019

End date: 17/05/2019

Type of contribution: Scientific book or monograph

T. Dasaklis; F. Casino. En: ICBC 2019 - IEEE International Conference on Blockchain and Cryptocurrency. pp. 50 - 55. 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066814599&doi=10.1109%2fBLOC.2019.8751478&partnerID=40&md5=6e5922afe248c20833b36c7fb4728c9f>>

9 Title of the work: Defining granularity levels for supply chain traceability based on IoT and blockchain

Name of the conference: International Conference on Omni-Layer Intelligent Systems. COINS '19

Type of event: Conference

City of event: Creta, Greece

Date of event: 2019

End date: 2019

Type of contribution: Scientific book or monograph

T.K. Dasaklis; F. Casino; C. Patsakis. En: ACM International Conference Proceeding Series. Part F148162, pp. 184 - 190. 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066807875&doi=10.1145%2f3312614.3312652&partnerID=40&md5=e56769e59ae74c5113285e50bccff2a7>>

10 Title of the work: Smart Healthcare in the IoT Era: A Context-Aware Recommendation Example

Name of the conference: International Symposium in Sensing and Instrumentation in IoT Era, ISSI 2018

Type of event: Conference

City of event: Shangai, China

Date of event: 06/09/2018

End date: 07/09/2018

Type of contribution: Scientific book or monograph

F. Casino; C. Patsakis; E. Batista; O. Postolache; A. Martínez-Ballesté; A. Solanas. En: 2018 International Symposium in Sensing and Instrumentation in IoT Era, ISSI 2018. 2018. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059373097&doi=10.1109%2fISSI.2018.8538106&partnerID=40&md5=0efcf6433e43453d23d9935d46aeab8a>>

11 Title of the work: Blockchain meets smart health: Towards next generation healthcare services

Name of the conference: The 9th International Conference on Information, Intelligence, Systems and Applications.

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Zakynthos, Greece

Date of event: 23/07/2018



End date: 25/07/2018

Type of contribution: Scientific book or monograph

T.K. Dasaklis; F. Casino; C. Patsakis. En: 2018 9th International Conference on Information, Intelligence, Systems and Applications, IISA 2018. 2019.

Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062850459&doi=10.1109%2fIISA.2018.8633601&partnerID=40&md5=62cab8bd0f9c08a5ec4ef58fe46a11e6>>

- 12 Title of the work:** Efficient wireless channel characterization in medicalised vehicles for smart health
Name of the conference: The 9th International Conference on Information, Intelligence, Systems and Applications, IISA 2018

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Zakynthos, Greece

Date of event: 23/07/2018

End date: 25/07/2018

Type of contribution: Scientific book or monograph

F. Casino; P. Lopez-Iturri; L. Azpilicueta; E. Aguirre; F. Falcone; C. Patsakis; A. Solanas. En: 2018 9th International Conference on Information, Intelligence, Systems and Applications, IISA 2018. 2019. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062876797&doi=10.1109%2fIISA.2018.8633611&partnerID=40&md5=b06fc4b97edf2d6320cd34d0a2233cce>>

- 13 Title of the work:** Trends and challenges in smart healthcare research: A journey from data to wisdom
Name of the conference: RTSI 2017 - IEEE 3rd International Forum on Research and Technologies for Society and Industry,

Type of event: Conference

City of event: Modena, Italy

Date of event: 11/09/2017

End date: 13/09/2017

Type of contribution: Scientific book or monograph

A. Solanas; F. Casino; E. Batista; R. Rallo. En: RTSI 2017 - IEEE 3rd International Forum on Research and Technologies for Society and Industry, Conference

Proceedings. 2017. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034829577&doi=10.1109%2fRTSI.2017.8065986&partnerID=40&md5=58da7d971b01a09687cf45819b4e5961>>

- 14 Title of the work:** Two-dimensional collaborative filtering approach to wireless channel characterization in medical complex scenarios

Name of the conference: IEEE 2nd International Smart Cities Conference ISC2 2016

Type of event: Conference

City of event: Trento, Italy

Date of event: 12/09/2016

End date: 15/09/2016

Type of contribution: Scientific book or monograph

F. Casino; P.L. Iturri; E. Aguirre; L. Azpilicueta; F. Falcone; E. Batista; A. Solanas. En: IEEE 2nd International Smart Cities Conference: Improving the Citizens Quality of Life, ISC2 2016

- Proceedings. 2016. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84994086633&doi=10.1109%2fISC2.2016.7580801&partnerID=40&md5=31119cdb3b8e14268a6418b869a21a78>>

- 15 Title of the work:** Analysis of vehicular connectivity in smart health service provision scenarios

Name of the conference: The 7th International Conference on Information, Intelligence, Systems and Applications

Type of event: Conference

Type of participation: Participatory - oral communication



City of event: Porto Carras, Greece

Date of event: 13/07/2016

End date: 15/07/2016

Type of contribution: Scientific book or monograph

P. Lopez-Iturri; E. Aguirre; F. Falcone; L. Azpilicueta; F. Casino; A. Solanas. En: IISA

2016 - 7th International Conference on Information, Intelligence, Systems and

Applications. 2016. Available on-line at: <[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013213214&doi=10.1109%2fIISA.2016.7785406&partnerID=40&md5=254c740339021f048de52eb6b85fafa2)

[s2.0-85013213214&doi=10.1109%2fIISA.2016.7785406&partnerID=40&md5=254c740339021f048de52eb6b85fafa2](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013213214&doi=10.1109%2fIISA.2016.7785406&partnerID=40&md5=254c740339021f048de52eb6b85fafa2)>.

16 Title of the work: On wandering detection methods in context-aware scenarios

Name of the conference: The 7th International Conference on Information, Intelligence, Systems and Applications

Type of event: Conference

City of event: Porto Carras, Greece

Date of event: 13/07/2016

End date: 15/07/2016

Type of contribution: Scientific book or monograph

E. Batista; F. Casino; A. Solanas. En: IISA 2016 - 7th International

Conference on Information, Intelligence, Systems and Applications.

2016. Available on-line at: <[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013212984&doi=10.1109%2fIISA.2016.7785349&partnerID=40&md5=a13edfca64d611f9f989ec7bcc66f65d)

[s2.0-85013212984&doi=10.1109%2fIISA.2016.7785349&partnerID=40&md5=a13edfca64d611f9f989ec7bcc66f65d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013212984&doi=10.1109%2fIISA.2016.7785349&partnerID=40&md5=a13edfca64d611f9f989ec7bcc66f65d)>.

17 Title of the work: Optimal parameter estimation for wireless signal analysis in context-aware scenarios: A brief study

Name of the conference: The 7th International Conference on Information, Intelligence, Systems and Applications

Type of event: Conference

City of event: Porto carras, Greece

Date of event: 13/07/2016

End date: 15/07/2016

Type of contribution: Scientific book or monograph

F. Casino; P. Lopez-Iturri; L. Azpilicueta; E. Aguirre; F. Falcone; A. Solanas. En: IISA

2016 - 7th International Conference on Information, Intelligence, Systems and

Applications. 2016. Available on-line at: <[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013167815&doi=10.1109%2fIISA.2016.7785348&partnerID=40&md5=8cad18a82cd2e0045e868f4e6fd6dcde)

[s2.0-85013167815&doi=10.1109%2fIISA.2016.7785348&partnerID=40&md5=8cad18a82cd2e0045e868f4e6fd6dcde](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013167815&doi=10.1109%2fIISA.2016.7785348&partnerID=40&md5=8cad18a82cd2e0045e868f4e6fd6dcde)>.

18 Title of the work: Context-aware recommender for smart health

Name of the conference: The 1st IEEE International Smart Cities Conference.

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Guadalajara, Mexico

Date of event: 25/10/2015

End date: 28/10/2015

Type of contribution: Scientific book or monograph

F. Casino; E. Batista; C. Patsakis; A. Solanas. En: 2015 IEEE 1st International Smart Cities

Conference, ISC2 2015. 2015. Available on-line at: <[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84970024603&doi=10.1109%2fISC2.2015.7366176&partnerID=40&md5=5a6a89d2ad95bf906ae0df421668c08b)

[s2.0-84970024603&doi=10.1109%2fISC2.2015.7366176&partnerID=40&md5=5a6a89d2ad95bf906ae0df421668c08b](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84970024603&doi=10.1109%2fISC2.2015.7366176&partnerID=40&md5=5a6a89d2ad95bf906ae0df421668c08b)>.

19 Title of the work: Wandering detection methods in smart cities: Current and new approaches

Name of the conference: IEEE 1st International Smart Cities Conference, ISC2 2015

Type of event: Conference

Type of participation: Participatory - oral communication



City of event: Guadalajara, Mexico

Date of event: 25/10/2015

End date: 28/10/2015

Type of contribution: Scientific book or monograph

E. Batista; F. Casino; A. Solanas. En: 2015 IEEE 1st International Smart Cities Conference,

ISC2 2015. 2015. Available on-line at: <[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84969972193&doi=10.1109%2fISC2.2015.7366175&partnerID=40&md5=073e29bdafa7479366efaa18fca4775a)

[s2.0-84969972193&doi=10.1109%2fISC2.2015.7366175&partnerID=40&md5=073e29bdafa7479366efaa18fca4775a](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84969972193&doi=10.1109%2fISC2.2015.7366175&partnerID=40&md5=073e29bdafa7479366efaa18fca4775a)>

- 20 Title of the work:** Dense wireless sensor network design for the implementation of Smart Health environments

Name of the conference: the 2015 International Conference on Electromagnetics in Advanced Applications, ICEAA 2015

Type of event: Conference

City of event: Turin, Italy

Date of event: 07/09/2015

End date: 11/09/2015

Type of contribution: Scientific book or monograph

F. Casino; P. Lopez-Iturri; E. Aguirre; L. Azpilicueta; A. Solanas; F. Falcone. En: Proceedings of the 2015 International Conference on Electromagnetics in Advanced Applications, ICEAA 2015. pp. 752 - 754. 2015. Available on-line at: <[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84955442599&doi=10.1109%2fICEAA.2015.7297215&partnerID=40&md5=c9480ace2ac0cb860274dd7ec7ddb9c)

[s2.0-84955442599&doi=10.1109%2fICEAA.2015.7297215&partnerID=40&md5=c9480ace2ac0cb860274dd7ec7ddb9c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84955442599&doi=10.1109%2fICEAA.2015.7297215&partnerID=40&md5=c9480ace2ac0cb860274dd7ec7ddb9c)>

- 21 Title of the work:** A study on the detection of wandering patterns in human trajectories

Name of the conference: The 6th International Conference on Information, Intelligence, Systems and Applications

Type of event: Conference

City of event: Corfu, Greece

Date of event: 06/07/2015

End date: 08/07/2015

Type of contribution: Scientific book or monograph

E. Batista; F. Borrás; F. Casino; A. Solanas. En: IISA 2015 - 6th International Conference on Information, Intelligence, Systems and Applications.

2016. Available on-line at: <[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84963799832&doi=10.1109%2fIISA.2015.7387995&partnerID=40&md5=1ba6db3dd694adcd587d9c991fcd5439)

[s2.0-84963799832&doi=10.1109%2fIISA.2015.7387995&partnerID=40&md5=1ba6db3dd694adcd587d9c991fcd5439](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84963799832&doi=10.1109%2fIISA.2015.7387995&partnerID=40&md5=1ba6db3dd694adcd587d9c991fcd5439)>

- 22 Title of the work:** Challenges in the implementation of context-aware scenarios within emergency rooms

Name of the conference: The 6th International Conference on Information, Intelligence, Systems and Applications.

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Corfu, Greece

Date of event: 06/07/2015

End date: 08/07/2015

Type of contribution: Scientific book or monograph

A.O. De Lejarazu; P. Lopez-Iturri; E. Aguirre; L. Azpilicueta; F. Falcone; F. Casino; A. Solanas. En: IISA 2015 - 6th International Conference on Information, Intelligence, Systems and Applications. 2016. Available on-line at: <[https://www.scopus.com/inward/record.uri?eid=2-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84963812516&doi=10.1109%2fIISA.2015.7387998&partnerID=40&md5=8fd439e34219783021e1b3fe38cd756c)

[s2.0-84963812516&doi=10.1109%2fIISA.2015.7387998&partnerID=40&md5=8fd439e34219783021e1b3fe38cd756c](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84963812516&doi=10.1109%2fIISA.2015.7387998&partnerID=40&md5=8fd439e34219783021e1b3fe38cd756c)>



- 23** **Title of the work:** Hybrid-based optimization of wireless channel characterization for health services in medical complex environments
Name of the conference: The 6th International Conference on Information, Intelligence, Systems and Applications
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Corfu, Greece
Date of event: 06/07/2015
End date: 08/07/2015
Type of contribution: Scientific book or monograph
F. Casino; L. Azpilicueta; P. Lopez-Iturri; E. Aguirre; F. Falcone; A. Solanas. En: IISA 2015 - 6th International Conference on Information, Intelligence, Systems and Applications. 2016. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84963799404&doi=10.1109%2fIISA.2015.7387993&partnerID=40&md5=11593fab7ccfedb5091a81c8dee4c5ae>>.
- 24** **Title of the work:** GAME-ABLING: Platform of Games for People with Cerebral Palsy
Name of the conference: European Project Space on Computer Vision, Graphics, Optics and Photonics 2015
Type of event: Conference
City of event: Berlin, Germany
Date of event: 11/03/2015
End date: 14/03/2015
Type of contribution: Scientific book or monograph
Jaume Verg{\'e}s-Llah{i}; Hamed Habibi; Fran Casino; Domenec Puig. "European Project Space on Computer Vision, Graphics, Optics and Photonics". pp. 64 - 64. 2015.
- 25** **Title of the work:** An autonomous system to assess, display and communicate the pain level in newborns
Name of the conference: The 9th IEEE International Symposium on Medical Measurements and Applications.
Type of event: Conference
City of event: Lisboa, Portugal
Date of event: 11/06/2014
End date: 12/06/2014
Type of contribution: Scientific book or monograph
A. Martínez-Ballesté; J.-O. Casanovas-Marsal; A. Solanas; F. Casino; M. García-Martínez. En: IEEE MeMeA 2014 - IEEE International Symposium on Medical Measurements and Applications, Proceedings. 2014. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84906898083&doi=10.1109%2fMeMeA.2014.6860144&partnerID=40&md5=37f6b948cdb17f09eb3f0c3e4b22eaf>>.
- 26** **Title of the work:** On privacy preserving collaborative filtering: Current trends, open problems and new issues
Name of the conference: IEEE 10th International Conference on e-Business Engineering, ICEBE 2013
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Coventry, United Kingdom
Date of event: 11/09/2013
End date: 13/09/2013
Type of contribution: Scientific book or monograph
F. Casino; C. Patsakis; D. Puig; A. Solanas. En: Proceedings - 2013 IEEE 10th International Conference on e-Business Engineering, ICEBE 2013. pp. 244 - 249. 2013. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84893299494&doi=10.1109%2fICEBE.2013.37&partnerID=40&md5=c4dd023e998ec92d57e9ff3ac4cfa39e>>.



- 27** **Title of the work:** Privacy Preserving Collaborative Filtering with k-anonymity through microaggregation
Name of the conference: IEEE 10th International Conference on e-Business Engineering, ICEBE 2013
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Coventry, United Kingdom
Date of event: 11/09/2013
End date: 13/09/2013
Type of contribution: Scientific book or monograph
F. Casino; J. Domingo-Ferrer; C. Patsakis; D. Puig; A. Solanas. En: Proceedings - 2013 IEEE 10th International Conference on e-Business Engineering, ICEBE 2013. pp. 490 - 497. 2013. Available on-line at: <<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84893230450&doi=10.1109%2fICEBE.2013.77&partnerID=40&md5=ce55f4f8fc57f9c257afd286af3d6425>>.

Science outreach activities

- 1** **Title of the work:** Invited talk - Tools to fight CSA/CSE under HEROES and ALUNA projects
Name of the event: International Centre for Missing & Exploited Children 2023 Summit and Gala
Type of event: Conferences given
Corresponding author: Yes
City of event: Parma, Italy
Date of event: 06/10/2023
Organising entity: International Centre for Missing & Exploited Children
"Tools to fight CSA/CSE under HEROES and ALUNA projects".
- 2** **Title of the work:** Invited talk - Fighting next generation cybercrime with a holistic perspective
Type of event: Conferences given
Corresponding author: Yes
City of event: Brno, Czech Republic
Date of event: 08/11/2022
Organising entity: Department of Intelligent Systems, FIT BUT
"Fighting next generation cybercrime with a holistic perspective".

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Member of the programme committee of the 28th IEEE Symposium on Computers and Communications
Geographical area: International
City: Tunis, Tunisia
Start-End date: 09/07/2023 - 12/07/2023
- 2** **Committee title:** Member of the programme committee of the 1st DevSecOps Research and Opportunities Workshop, Co-located with the 8th IEEE European Symposium on Security and Privacy
Geographical area: International
City: Delft, Holland
Start-End date: 03/07/2023 - 07/07/2023



- 3** **Committee title:** Member of the programme committee of the 19th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob)
Geographical area: International
City: Montreal, Canada
Start-End date: 21/06/2023 - 23/06/2023
- 4** **Committee title:** Member of the programme committee of the 11th International Symposium on Security & Privacy on Internet of Things (SPloT 2022)
Geographical area: International
City: Zhangjiajie, China
Start-End date: 15/11/2022 - 18/11/2022
- 5** **Committee title:** Member of the programme committee of the 8th IEEE International Smart Cities Conference (ISC2 2022)
Geographical area: International
City: Paphos, Cyprus
Start-End date: 26/09/2022 - 29/09/2022
- 6** **Committee title:** Member of the programme committee of the 18th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob)
Geographical area: International
City: Thessaloniki, Thessalia, Greece
Start-End date: 10/09/2022 - 12/09/2022
- 7** **Committee title:** Member of the programme committee of the 27th IEEE Symposium on Computers and Communications (ISCC 2022)
Geographical area: International
City: Rhodes, Greece
Start-End date: 30/06/2022 - 02/07/2022
- 8** **Committee title:** Member of the programme committee of the 18th IEEE International Conference on Advanced and Trusted Computing
Geographical area: International
City: Atlanta, United States of America
Start-End date: 2021 - 2021
- 9** **Committee title:** Member of the programme committee of the 1st Workshop on Actionable Cyber Threats Intelligence (ACTI) held in conjunction with IEEE Cyber security & Resilience (IEEE CSR). Rhodes, GR, 2021
Geographical area: International
Start-End date: 2021 - 2021
- 10** **Committee title:** Member of the programme committee of the 7th IEEE International Smart Cities Conference
Geographical area: International
City: Virtual,
Start-End date: 2021 - 2021
- 11** **Committee title:** Member of the programme committee of the The 10th International Symposium On Security And Privacy On Internet Of Things
Geographical area: International
City: New York, United States of America



Start-End date: 2021 - 2021

- 12** **Committee title:** Member of the programme committee of the The 3rd ACM International Symposium on Blockchain and Secure Critical Infrastructure ACM BSCI , Hong Kong, China, June 2021

Geographical area: International

City: Hong Kong, China

Start-End date: 2021 - 2021

- 13** **Committee title:** Member of the programme committee of the 5th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM 2020). Corfu, GR, 2020

Geographical area: International

Start-End date: 2020 - 2020

- 14** **Committee title:** Member of the programme committee of IEEE International Workshop on IoT Big Data and Blockchain (IoTBB), at IEEE International Conference on Big Data (IEEE BigData) 2019. Los Angeles, CA, USA, Dec 9-12, 2019

Geographical area: International

Start-End date: 2019 - 2019

- 15** **Committee title:** Member of the programme committee of the 4th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM 2019). Piraeus, Greece, September 20-22, 2019

Geographical area: International

Start-End date: 2019 - 2019

- 16** **Committee title:** Member of the programme committee of the ISSI 2019. The 2nd International Symposium on Sensing and Instrumentation in IoT Era. Lisbon, Portugal, August 29-30, 2019

Geographical area: International

Start-End date: 2019 - 2019

- 17** **Committee title:** Tribunal member of Ph.D dissertations

Affiliation entity: Universitat Rovira i Virgili

Type of entity: University

City affiliation entity: Tarragona, Catalonia, Spain

Start date: 2019

Organization of R&D activities

- 1** **Title of the activity:** Special Issue in an International Journal (Sensors- MDPI)

Type of activity: Special Issue in an International Journal (Sensors- MDPI)

Geographical area: International

https://www.mdpi.com/journal/sensors/special_issues/9MMWC9BG51

Convening entity: Multidisciplinary Digital Publishing Institute (MDPI) **Type of entity:** Associations and Groups

Start-End date: 30/07/2022 - 30/07/2023

Duration: 12 months

- 2** **Title of the activity:** Special Issue in an International Journal (Sensors- MDPI)

Type of activity: Special Issue in an International Journal (Sensors- MDPI)

Geographical area: International

https://www.mdpi.com/journal/sensors/special_issues/IloTBEA

Type of entity: Associations and Groups



Convening entity: Multidisciplinary Digital Publishing Institute (MDPI)

Start-End date: 01/12/2020 - 30/09/2021

Duration: 9 months

3 Title of the activity: Special Issue in an International Journal (Sustainability - MDPI)

Type of activity: Special Issue in an International Journal

Geographical area: International

https://www.mdpi.com/journal/sustainability/special_issues/traceability_supply_chain

Convening entity: Multidisciplinary Digital Publishing Institute (MDPI) **Type of entity:** Associations and Groups

Start-End date: 01/12/2020 - 30/06/2021

Duration: 7 months

4 Title of the activity: Organizing committee of The 4th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM 2019)

Type of activity: Organización y propuesta de un special track

Geographical area: Internacional

(https://seeda2019.unipi.gr/call_for_special_tracks/tr6/)

, diseminación, editorial y gestión de revisiones

Convening entity: University of Piraeus

City convening entity: Piraeus, Attiki, Greece

Start-End date: 30/04/2019 - 30/09/2020

Duration: 5 months

National and international forums and committees

Name of the forum: Foro contra las campañas de desinformación en el ámbito de la Seguridad Nacional 2024

Professional category: Coordinator of Chapter 5

Organising entity: Departamento de Seguridad Nacional

Type of entity: State agency

City organizing entity: Madrid, Community of Madrid, Spain

Start date: 06/03/2024

Evaluation and revision of R&D projects and articles

1 Name of the activity: External Reviewer in the Master Programme of the University of Malta

Performed tasks: External reviewer of a master thesis

Entity where activity was carried out: University of Malta **Type of entity:** University

Start-End date: 2020 - 2021

2 Name of the activity: External Reviewer in the Universitat Oberta de Catalunya

Performed tasks: Member of the Msc thesis evaluation committee

Entity where activity was carried out: Universitat Oberta de Catalunya **Type of entity:** University

Start date: 2023

3 Name of the activity: Journal Reviewer

Performed tasks: Article Reviewer

Entity where activity was carried out: Computers & Security Journal (Elsevier)

Type of activity: Review of articles in scientific or technological journals



- 4** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: Future Generation Computer Systems (Elsevier)
Type of activity: Review of articles in scientific or technological journals
- 5** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: IEEE Access
Type of activity: Review of articles in scientific or technological journals
- 6** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: IEEE Software
Type of activity: Review of articles in scientific or technological journals
- 7** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: IEEE Transactions on Industrial Informatics
Type of activity: Review of articles in scientific or technological journals
- 8** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: IEEE Transactions on Information Forensics and Security
Type of activity: Review of articles in scientific or technological journals
- 9** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: IEEE Transactions on Knowledge and Data Engineering
Type of activity: Review of articles in scientific or technological journals
- 10** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: IEEE Transactions on Services Computing
Type of activity: Review of articles in scientific or technological journals
- 11** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: Information Sciences (Elsevier)
Type of activity: Review of articles in scientific or technological journals
- 12** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: International Journal of Information Management (Elsevier)
Type of activity: Review of articles in scientific or technological journals
- 13** **Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: Journal of Parallel and Distributed Computing (Elsevier)
Type of activity: Review of articles in scientific or technological journals



- 14 Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: Knowledge-Based Systems (Elsevier)
Type of activity: Review of articles in scientific or technological journals
- 15 Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: Plos One
Type of activity: Review of articles in scientific or technological journals
- 16 Name of the activity:** Journal Reviewer
Performed tasks: Article Reviewer
Entity where activity was carried out: Technological Forecasting \& Social Change (Elsevier)
Type of activity: Review of articles in scientific or technological journals

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Universidad Politécnica de Madrid **Type of entity:** University
Faculty, institute or centre: Computer Systems department
City of entity: Madrid, Spain
Start-End date: 05/04/2024 - 12/04/2024 **Duration:** 8 days
Goals of the stay: Post-doctoral
Provable tasks: Research activities and dissemination
- 2 Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: Instituto de Tecnologías Físicas y de la Información Leonardo Torres Quevedo (ITEFI-CSIC).
City of entity: Madrid, Spain
Start-End date: 01/04/2024 - 05/04/2024 **Duration:** 5 days
Goals of the stay: Post-doctoral
Provable tasks: Research activities and dissemination
- 3 Entity:** Brno University of Technology **Type of entity:** University
Faculty, institute or centre: Faculty of Information Technology
City of entity: Brno, Czech Republic
Start-End date: 02/11/2022 - 11/11/2022 **Duration:** 10 days
Goals of the stay: Post-doctoral
Provable tasks: Research activities and dissemination
- 4 Entity:** Athena Research Center **Type of entity:** R&D Centre
City of entity: Piraeus, Attiki, Greece
Start-End date: 30/06/2019 - 31/03/2022 **Duration:** 2 years - 9 months - 1 day
City funding entity: Athens, Attiki, Greece
Goals of the stay: Post-doctoral



Provable tasks: Investigación y colaboración en diversos proyectos Europeos. Diversas publicaciones científicas

- 5** **Entity:** University of Piraeus **Type of entity:** University
City of entity: Piraeus, Attiki, Greece
Start-End date: 12/11/2017 - 30/08/2021 **Duration:** 3 years - 9 months - 18 days
City funding entity: Piraeus, Attiki, Greece
Goals of the stay: Post-doctoral
Provable tasks: Investigación y colaboración en diversos proyectos Europeos. Docencia en la Universidad del Pireo. Diversas publicaciones científicas
- 6** **Entity:** ISCTE - Instituto de Telecomunicações - IUL **Type of entity:** University
City of entity: Lisboa, Lisboa, Portugal
Start-End date: 03/10/2016 - 05/02/2017 **Duration:** 4 months - 3 days
Funding entity: BANCO SANTANDER, S.A.
Goals of the stay: Doctorate
Provable tasks: Investigación en diversas áreas de salud y monitorización

Obtained grants and scholarships

- 1** **Name of the grant:** Beatriu de Pinós
Aims: Post-doctoral
Awarding entity: Generalitat de Catalunya **Type of entity:** Government
Conferral date: 2022 **Duration:** 3 years
End date: 2025
Entity where activity was carried out: Universitat Rovira i Virgili
Faculty, institute or centre: Department of Computer Engineering and Mathematics
- 2** **Name of the grant:** Short Term Scientific Mission - Quantitative Exploration of Quantized Large Language Models to perform AAL tasks
Aims: Post-doctoral
Awarding entity: European Cooperation in Science and Technology - COST Action 19121
Conferral date: 17/10/2023 **Duration:** 7 days
End date: 23/10/2023
Entity where activity was carried out: University of Piraeus
- 3** **Name of the grant:** Short Term Scientific Mission - Integrating Secure AAL Expert Agents into Context-Aware Environments
Aims: Post-doctoral
Awarding entity: European Cooperation in Science and Technology - COST Action 19121
Conferral date: 31/05/2023 **Duration:** 10 days
End date: 09/06/2023
Entity where activity was carried out: University of Piraeus
- 4** **Name of the grant:** Short Term Scientific Mission - Privacy and security in Recommender Systems and Smart Health
Aims: Pre-doctoral
Awarding entity: European Cooperation in Science and Technology - COST Action IC1403
Conferral date: 26/03/2017 **Duration:** 7 days
End date: 01/04/2017



Entity where activity was carried out: University of Piraeus

5 Name of the grant: Becas Iberoamérica. Santander Investigación. Santander Universidades

Aims: Pre-doctoral

Awarding entity: BANCO SANTANDER, S.A.

Amount of the grant: 5.000 €

Conferral date: 2016

Duration: 4 months

End date: 2017

Entity where activity was carried out: ISCTE - Instituto de Telecomunicações - IUL

6 Name of the grant: PMF-PIPF Programa Martí Franqués d'ajuts a la investigació

City awarding entity: Tarragona, Catalonia, Spain

Aims: Pre-doctoral

Awarding entity: Universitat Rovira i Virgili

Type of entity: University

Amount of the grant: 37.500 €

Conferral date: 2014

Duration: 3 years

End date: 2017

Entity where activity was carried out: Universitat Rovira i Virgili

Faculty, institute or centre: Departament de Informàtica i matemàtiques

7 Name of the grant: AAD Academic activities designed to help teachers. ID 2013 AAD00056

Aims: Pre-doctoral

Awarding entity: Generalitat de Catalunya

Type of entity: Generalitat de Catalunya

Amount of the grant: 400 €

Conferral date: 2013

Duration: 1 month

Entity where activity was carried out: Universitat Rovira i Virgili

Scientific societies and professional associations

Name of the society: Senior Member - Institute of Electrical and Electronics Engineers

Start date: 2012

Editorial councils

1 Name of the editorial council: Member of the editorial board of the International Journal of Distributed

Sensor Networks (SAGE), Impact Factor 1.151 (2019)

Affiliation entity: SAGE

City affiliation entity: New YorkNew York, United States of America

Geographical area: Internacional

Start date: 11/2020

2 Name of the editorial council: Guest Editor in Sensors (MDPI)

Affiliation entity: MDPI

Start date: 2020

3 Name of the editorial council: Guest Editor in Sustainability

Affiliation entity: MDPI

Start date: 2020



Prizes, mentions and distinctions

- 1** **Description:** Listed in the the World's Top 2% most influential Scientists of 2023 according to the prestigious global ranking of the world's most cited scientists in various disciplines published by the Stanford University.
Awarding entity: Stanford University
Conferral date: 2023
- 2** **Description:** Listed in the the World's Top 2% most influential Scientists of 2022 according to the prestigious global ranking of the world's most cited scientists in various disciplines published by the Stanford University.
Awarding entity: Stanford University
Conferral date: 2022
- 3** **Description:** Best Ph.D dissertation outstanding award (2017-2018) in the Department of Computer Engineering and Mathematics of Rovira i Virgili University
Awarding entity: Universitat Rovira i Virgili **Type of entity:** University
City awarding entity: Tarragona, Catalonia, Spain
Conferral date: 2019
- 4** **Description:** Best paper award for the following contribution: F. Casino et al. "Smart Healthcare in the IoT Era: A Context-Aware Recommendation Example". In 2018 International Symposium in Sensing and Instrumentation in IoT Era (ISSI). 2018, pp. 1-4
Conferral date: 2018
- 5** **Description:** Best paper award for the following contribution: F. Casino et al. "Hybrid-based optimization of wireless channel characterization for healthservices in medical complex environments". In 2015 6th International Conference on Information, Intelligence, Systems and Applications (IISA). 2015, pp.1-6
Conferral date: 2015

Obtained accreditations/recognitions

- 1** **Description:** Acreditación de investigación
Accrediting entity: AGENCIA PER A LA QUALITAT DEL SISTEMA UNIVERSITARI DE CATALUNYA
Date of recognition: 2021
- 2** **Description:** Acreditación de profesorado lector
Accrediting entity: AGENCIA PER A LA QUALITAT DEL SISTEMA UNIVERSITARI DE CATALUNYA
Date of recognition: 2019



Summary of other achievements

Description of the achievement: First Certificate in English (FCE). Council of Europe: Nivel B2.

Accrediting entity: University of Cambridge

Type of entity: University

Conferral date: 2004