



Daniel Enrique Martinez Tong

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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.

Daniel E. Martínez-Tong is a scientist with 10+ years experience in the area of polymer science. He finished his Bachelor's in Physics in Maracaibo (Venezuela) in 2009. During his undergrad studies he was able to collaborate at the "Centro de Modelado Científico" of the Universidad del Zulia (Venezuela) and performed an internship at Universidad Autónoma de Madrid, under the supervision of Dr. Pedro García-Mochales Caro. He graduated "First of the class" and received the "Highest GPA award" from Universidad del Zulia. In 2010, just after graduation, Dr. Martínez-Tong obtained a contract at the Universidad Simón Bolívar as a Junior Teacher. There he had the chance to enroll into Prof. Estrella Laredo's lab, where he began researching about polymer physics and polymer science.

In 2010, Dr. Martínez-Tong was awarded with a JAE-Pre (CSIC) scholarship for predoctoral studies. He obtained his PhD in Physics from Universidad Complutense de Madrid in 2014 (**Cum Laude**), after almost 4 years of research at the Instituto de Estructura de la Materia (CSIC). His thesis was directed by Dr. Aurora Nogales, and focused on the physics of polymer nanostructures. During the PhD studies he had the opportunity to learn and develop Atomic Force Microscopy techniques for the study of structural and physical properties in polymers. In 2014 he moved to Brussels (Belgium) to work as a postdoctoral researcher at the Université libre de Bruxelles, under the supervision of Prof. Michele Sferrazza. In 2016, he obtained a postdoctoral contract from the Donostia International Physics Center (DIPC) to work in the Polymers and Soft Matter group, under the guidance of Prof. Angel Alegria. During these all these years, Dr. Martínez-Tong has focused on the field of dynamic/structure relations in polymer materials, with special emphasis on polymer nanostructures.

Nowadays, Dr. Martínez-Tong carries his research at the Universidad del País Vasco thanks to the financial support of a "**Juan de la Cierva - Incorporación**" fellowship of the Spanish government. He is currently involved in the study of molecular dynamics using Broadband Dielectric Spectroscopy, and he is the local expert on Atomic Force Microscopy of polymers. Also, Dr. Martínez-Tong carries out several national and international collaborations with renowned institutes as the University of Bologna, POLYMAT, Instituto Química-Física Rocasolano, and Universität Bayreuth. **Currently, Dr. Martínez-Tong is co-supervising 3 students: a PhD student, a master's student, and a final degree student, all of them with Prof. Alegria.** Besides keeping on his academic and scientific activities, Dr. Martínez-Tong participates in national and international calls for project funding. He is well-recognized in the local community for his efforts in science dissemination and has been deeply involved in activities.



Dr Martínez-Tong achievements and professional career are supported by **27 publications in peer-reviewed journals**, and book chapters from distinguished editorials. Dr. Martínez-Tong has also participated in research projects, international conferences and meetings. **He has obtained over 280 k€ in funding for career development. His h-index is 9, and he appears as corresponding author of 13 publications.** In 2019 he began teaching at the Masters of Nanoscience of the Universidad del País Vasco within the Experimental Physics techniques areas: a) Spectroscopies, b) Microscopies.

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.

Scientific Productivity:

Number of Articles: 27 (100% in ISI indexed peer-reviewed journals)

Number of Articles as First Author: 13/27 (48 %)

Number of Articles as Corresponding Author: 13/27 (48 %)

Number of Articles in Q1: 22/27 (80 %)

Number of Articles in PrePrint servers: 1 (currently evaluated in peer-reviewed journals)

Sum of the Times Cited: 238 (Web of Knowledge/Publons)

Average Citations per Article: 9.2 (Web of Knowledge/Publons)

Average Citations per Year: 29.8 (Web of Knowledge/Publons)

h-index: 9 (Web of Knowledge/Publons)

Number of book chapters: 2

Career funding:

Over 280 k€ in competitive scholarships, private contracts, and grants for scientific stays.

Pre-doctoral funding: > 90 k€

Post-doctoral funding: > 190 k€

Students supervision:

Supervised Final Year Works: 1

Supervised interns (visiting students): 1

Ongoing student supervision:

PhD Thesis: 1 (expected 2022)

Master Thesis: 1 (expected 2020)

Final Year Works: 1 (expected 2020)

Awards:

- Highest GPA award (Maracaibo 2009)

- JAE-Pre Scholarship for doctoral studies (Madrid 2010 - 2014)

- Juan de la Cierva Incorporación Scholarship (IJCI-2017-31600) (Donostia 2018-2020)

- 3 times winner of Best Poster presentation in different conferences

Participation in projects:



- Participation in 1 European Project (EUSMI)
- Participation in 4 National and Local Projects

Referee for the following ISI Journals:

- European Polymer Journal (Elsevier, Q1)
- Polymer (Elsevier, Q1)
- Polymers (MDPI, Q1)
- Small (Wiley, Q1)
- Applied Surface Science (Elsevier, Q1)
- Journal of Applied Physics (Elsevier, Q2)
- Polymer Bulletin (Wiley, Q3)

Member of the Venezuelan Physics Society (Sociedad Venezolana de Física). ID#183

Personal website: <https://danielmtong.com>

Daniel Enrique Martinez Tong

Surname(s): **Martinez Tong**
Name: **Daniel Enrique**
ORCID: **0000-0002-3115-6222**
ScopusID: **55249689200**
ResearcherID: **M-2574-2014**
Personal web page: **<https://danielmtong.wordpress.com>**

Current professional situation

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

Department: Física de Materiales, Facultad de Química

Professional category: Juan de la Cierva Incorporación Fellow

Start date: 17/12/2018

Type of contract: Temporary employment contract **Dedication regime:** Full time

Primary (UNESCO code): 220912 - Microscopes; 221006 - Electrolytes; 221090 - Chemistry-Physics of Polymers; 221102 - Composites; 221107 - Dielectrics; 221123 - Non-crystalline states

Performed tasks: Juan de la Cierva Incorporación Fellow, 2017 call (JCI-2017-31600). Involved in the activities of the Polymers and Soft Matter group, at the Materials Physics Center. Part of the "European Soft Matter Infrastructure" (EUSMI) project. Involved in the broadband dielectric studies of polymers' molecular dynamics. Local expert in Atomic Force Microscopy (AFM). Current collaborations: - Prof. Lotti and Dr. Soccio. Università di Bologna. Field: Broadband Dielectric Spectroscopy on bio-based polymers - Prof. Asua. POLYMAT. Field: Atomic Force Microscopy nanomechanical measurements. - Dr. Rebollar. CSIC. Field: Laser nanostructuring of polymers. - Prof. Papastavrou. Univ Bayreuth. Field: Novel Atomic Force Microscopy techniques for polymer science.

Previous positions and activities

	Employing entity	Professional category	Start date
1	Donostia International Physics Center	Postdoctoral researcher	10/01/2016
2	Université libre de Bruxelles (ULB)	Postdoctoral researcher	27/10/2014
3	Instituto de Estructura de la Materia	Graduate (predoctoral) student and researcher	01/12/2010
4	Universidad Simón Bolívar	Level 1 teacher (Profesor Nivel I)	01/01/2010
5	La Universidad del Zulia	Teacher assistant (Preparador Académico)	03/03/2008

1 **Employing entity:** Donostia International Physics Center **Type of entity:** Others

Professional category: Postdoctoral researcher **Educational Management (Yes/No):** No

Start-End date: 10/01/2016 - 15/12/2019

Duration: 2 years - 11 months - 5 days

Type of contract: Temporary employment contract



Dedication regime: Full time

Performed tasks: Researcher in the polymers and soft matter area. Local expert in Atomic Force Microscopy (AFM) studies for the study of physical properties (mechanical, electrical and topographical) in polymer-based systems. I've studied polymers molecular dynamics and transport phenomena at the nanoscale using AFM, being part of the team that develops the novel nanoDielectric Spectroscopy (nDS) technique. During this position, I've worked closely with several researchers at the Materials Physics Center (Donostia-San Sebastián, Spain). I've established collaborations with the University of Bologna (Bologna, Italy) for the molecular dynamics study of novel bio-based polymers by Broadband Dielectric Spectroscopy (BDS) and other complementary techniques such as calorimetry and X-ray diffraction. Also, I've collaborated with the "Instituto de Química-Física Rocasolano" (Madrid, Spain) for the preparation of nanostructured polymer surfaces by laser interactions and further characterization of these systems by AFM, especially mechanical and tribological properties. During the year 2018 I was part of the team researching ring polymers, i.e. highly advanced single-chain polymer systems, where I contributed to the study of their molecular dynamics by BDS. Also, during 2018 I established collaborations with the POLYMAT institute, specifically with Prof Asua's team, for the study of latexes using AFM. During my almost 3 years at DIPC, I published 7 scientific articles (more than half as corresponding author), participated in several international conferences (two times winner of best poster presentation), and I was involved in many outreach activities.

2 Employing entity: Université libre de Bruxelles (ULB)

City employing entity: Brussels, Belgium

Professional category: Postdoctoral researcher **Educational Management (Yes/No):** No

Start-End date: 27/10/2014 - 15/12/2015 **Duration:** 1 year - 1 month

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 221103 - Crystal Growth; 221105 - Crystal structure; 221128 - Surfaces

Performed tasks: Structural characterization of low molecular weight organic molecules in thin film geometry by X-ray diffraction and Atomic Force Microscopy (AFM). Collaborator with the chemistry department and the engineering school for the study of materials at the nanoscale using AFM.

3 Employing entity: Instituto de Estructura de la Materia **Type of entity:** State agency

Department: Macromolecular Physics

City employing entity: Madrid, Community of Madrid, Spain

Professional category: Graduate (predoctoral) student and researcher **Educational Management (Yes/No):** No

Start-End date: 01/12/2010 - 24/10/2014 **Duration:** 3 years - 11 months

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Primary (UNESCO code): 220912 - Microscopes; 221090 - Chemistry-Physics of Polymers; 221107 - Dielectrics; 221128 - Surfaces

Performed tasks: Preparation and physical characterization of confined polymer systems, as nanospheres, nanoparticles, thin films and nanostructured surfaces. Study of physical properties of polymers under confinement using several techniques (AFM, calorimetry, dielectric spectroscopy, X-ray diffraction). In charge of the development of Atomic Force Microscopy (AFM) techniques for the mechanical, electrical and topographical study of confined polymers. Collaborator with the "Instituto de Ciencia y Tecnología de Polímeros" (Madrid, Spain) for the study of polymer nanocomposites mechanical properties using AFM. Collaborator with the "Instituto de Química-Física Rocasolano" (Madrid, Spain) for the preparation of Laser Induced Periodic Surface Structures on polymers and its further study about their physical properties using AFM. Collaborator with the "Instituto de Microelectrónica de Barcelona" (Barcelona, Spain) for the study of nanostructured ferroelectric polymers: reading and writing information with nanometer resolution. Awarded with a JAE-Pre scholarship.



- 4** **Employing entity:** Universidad Simón Bolívar **Type of entity:** University
Department: Physics
City employing entity: Caracas, Venezuela
Professional category: Level 1 teacher (Profesor Nivel I) **Educational Management (Yes/No):** No
Start-End date: 01/01/2010 - 30/11/2010 **Duration:** 11 months
Type of contract: Temporary
Dedication regime: Full time
Performed tasks: Entry-level teacher in charge of 1st-year physics courses for engineering and science majors. Academic load: 2 terms teaching Elementary Physics (144 academic hours), 1 term teaching Physics Lab (72 academic hours) and 1 summer course teaching elementary physics (72 academic hours).
- 5** **Employing entity:** La Universidad del Zulia **Type of entity:** University
Professional category: Teacher assistant (Preparador Académico)
Start-End date: 03/03/2008 - 07/12/2009 **Duration:** 1 year - 4 months
Performed tasks: Teacher's assistant at elementary physics courses taught to science students (physics, chemistry and biology majors), during 2 years at the Universidad del Zulia (Maracaibo, Venezuela).



Education

University education

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

- 1 University degree:** Máster
Name of qualification: Máster Universitario en Física Aplicada (Master's in Applied Physics)
City degree awarding entity: Madrid, Community of Madrid, Spain
Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid
Date of qualification: 20/07/2012
- 2 University degree:** Diplomado
Name of qualification: Diplomado en Componente Docente (Diploma in Teaching Skills)
City degree awarding entity: Maracaibo, Venezuela
Degree awarding entity: La Universidad del Zulia **Type of entity:** University
Date of qualification: 01/06/2010
- 3 University degree:** Licenciado
Name of qualification: Licenciado en Física (Bachelor's in Physics)
City degree awarding entity: Maracaibo, Venezuela
Degree awarding entity: La Universidad del Zulia **Type of entity:** University
Date of qualification: 17/10/2009
Prize: End of degree award

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Ciencias Físicas (Ph.D. in Physics)
Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid
City degree awarding entity: Madrid, Community of Madrid, Spain
Date of degree: 10/10/2014
Thesis title: CONFINAMIENTO EN NANOESTRUCTURAS POLIMÉRICAS. PREPARACIÓN, PROPIEDADES, APLICACIONES E IMPLICACIONES FÍSICAS./CONFINEMENT IN POLYMER NANOSTRUCTURES: PREPARATION, PROPERTIES, APPLICATIONS AND PHYSICAL IMPLICATIONS.
Thesis director: Aurora Nogales
Thesis co-director: Alejandro Sanz
Obtained qualification: Cum Laude



Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Italian	A2	A2	A2	A2	A2
German	A2	B1	B1	A2	A2
English	C1	C1	C1	C1	C1
Spanish	C2	C2	C2	C2	C2

Teaching experience

General teaching experience

- 1** **Type of teaching:** Official teaching
Name of the course: Experimental Techniques II: Spectroscopies
Type of programme: Master's degree **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Master in Nanoscience
End date: 27/02/2020 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 0,5
Entity: Universidad del País Vasco **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias Químicas
Subject language: English
- 2** **Type of teaching:** Official teaching
Name of the course: Experimental Techniques I: Microscopies
Type of programme: Master's degree **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Master in Nanoscience
End date: 21/11/2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 0,75
Entity: Universidad del País Vasco **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias Químicas
Subject language: English
- 3** **Type of teaching:** Official teaching
Name of the course: Experimental Techniques II: Spectroscopies
Type of programme: Master's degree **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Master in Nanoscience
End date: 15/03/2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 0,5
Entity: Universidad del País Vasco **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias Químicas
Subject language: English

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Structure and dynamics of polymers: a multiscale approach
Type of project: Doctoral thesis
Co-director of thesis: Angel Alegria
Entity: Universidad del País Vasco **Type of entity:** University
City of entity: San Sebastián, Spain
Student: Matteo Sanviti
Date of reading: 31/10/2022
- 2** **Project title:** Estudio de mezclas poliméricas basadas en polifuranoatos mediante calorimetría diferencial de barrido y espectroscopía infrarroja.
Type of project: End of course project
Co-director of thesis: Angel Alegria
Entity: Universidad del País Vasco **Type of entity:** University
City of entity: San Sebastián, Spain
Student: Julen Olasagasti
Date of reading: 31/07/2020
- 3** **Project title:** Nanoelectrical properties of polymer electrolytes
Type of project: Minor thesis
Co-director of thesis: Angel Alegria
Entity: Universidad del País Vasco **Type of entity:** University
City of entity: San Sebastián, Spain
Student: Jean Pierre Incháustegui
Date of reading: 31/07/2020
- 4** **Project title:** Study of crystalline nanostructures on poly(butylene furanoate) thin films
Type of project: End of course project
Co-director of thesis: Angel Alegria
Entity: CENTRO DE FISICA DE MATERIALES **Type of entity:** State agency
City of entity: Donostia, Basque Country, Spain
Student: Iker Castrillo Maestro
Obtained qualification: 9.3
Date of reading: 09/09/2019
- 5** **Project title:** Nanoscale Dielectric Spectroscopy of PEO under Controlled Humidity
Type of project: Research Module
Co-director of thesis: Georg Papastavrou; Sebastian Gödrich; Angel Alegria
Entity: CENTRO DE FISICA DE MATERIALES **Type of entity:** State agency
City of entity: Donostia, Basque Country, Spain
Student: Paul Markus
Date of reading: 29/06/2018



Scientific and technological experience

Research and development groups/teams

- 1 Name of the group:** Polymers and Soft Matter Group
Name of principal investigator: Juan Colmenero
Type of collaboration: Co-authorship of projects and their development
City of group: San Sebastián, Spain
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Number of directed thesis: 1
Start date: 07/01/2016 **Duration:** 4 years - 2 months
- 2 Name of the group:** Soft Matter Department
Name of principal investigator: Michele Sferrazza
Type of collaboration: Co-authorship of publications
City of group: Bruselas, Belgium
Affiliation entity: Université libre de Bruxelles (ULB) **Type of entity:** University
Start date: 27/10/2014 **Duration:** 1 year - 1 month
- 3 Name of the group:** SoftMatPol
Name of principal investigator: Tiberio Ezquerra
Type of collaboration: Co-authorship of projects and their development
City of group: Madrid, Spain
Affiliation entity: Instituto de Estructura de la Materia **Type of entity:** State agency
Start date: 01/12/2010 **Duration:** 3 years - 11 months
- 4 Name of the group:** LabD
Name of principal investigator: Estrella Laredo
Type of collaboration: Co-authorship of publications
City of group: Caracas, Venezuela
Affiliation entity: Universidad Simón Bolívar **Type of entity:** University
Start date: 07/01/2010 **Duration:** 11 months



Scientific or technological activities

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

1 **Name of the project:** EUSMI EUROPEAN SOFT MATTER INFRASTRUCTURE (EU, H-2020, grant agreement No 731019)

Geographical area: European Union

Entity where project took place: Universidad del País Vasco **Type of entity:** University

City of entity: Donostia, Basque Country, Spain

Name principal investigator (PI, Co-PI....): Angel Alegria

Start-End date: 17/12/2018 - 15/12/2020

Total amount: 270.298 €

2 **Name of the project:** Nanoestructuración de Polímeros y Sistemas Híbridos: Una vía sinérgica hacia la multifuncionalidad (MAT2011-23455)

Entity where project took place: Instituto de Estructura de la Materia **Type of entity:** State agency

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Mari Cruz Garcia Gutierrez

Funding entity or bodies:

Ministerio de Economía y Competitividad **Type of entity:** State agency

Start-End date: 01/02/2013 - 24/10/2014

Total amount: 95.041 €

3 **Name of the project:** Productos obtenidos por tecnologías de depósito y laminado de nanomateriales basados en carbono y plata para elementos funcionales de automoción

Entity where project took place: Instituto de Estructura de la Materia **Type of entity:** State agency

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Tiberio A Ezquerro

N° of researchers: 11

Start-End date: 01/07/2013 - 01/07/2014

Total amount: 12.100 €

4 **Name of the project:** Nanocompuestos basados en polímeros termoplásticos reversiblemente entrecruzados. Propiedades dieléctricas. (I-COOP0123)

Entity where project took place: Instituto de Estructura de la Materia **Type of entity:** State agency

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Maria Esperanza Cagiao Escotado

N° of researchers: 19

Start-End date: 01/07/2011 - 30/06/2013

Duration: 2 years

Total amount: 37.000 €

5 **Name of the project:** Polímeros cíclicos 'a la carta': síntesis, propiedades dieléctricas y aplicaciones biomédicas (PIBA_2018_1_0034)

Entity where project took place: Donostia International Physics Center **Type of entity:** Others



City of entity: Donostia, Basque Country, Spain
Name principal investigator (PI, Co-PI....): Fabienne Barroso-Bujans
Start date: 19/09/2018
Total amount: 49.850 €

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

- 1 Name of the project:** Nanomechanical studies of biobased polymer thin films (E190300255)
Name principal investigator (PI, Co-PI....): Daniel E. Martinez Tong
Nº of researchers: 5
Funding entity or bodies:
European Soft Matter Infrastructure (EUSMI)
Start date: 26/08/2019 **Duration:** 15 days
- 2 Name of the project:** BDS study on furan-based polymers: high frequencies (E171100040)
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Michelina Soccio
Nº of researchers: 4
Funding entity or bodies:
European Soft Matter Infrastructure (EUSMI)
Start date: 05/03/2018 **Duration:** 5 days
- 3 Name of the project:** BDS study on furan-based polymers: low frequencies (E171100043)
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Michelina Soccio
Nº of researchers: 4
Funding entity or bodies:
European Soft Matter Infrastructure (EUSMI)
Start date: 05/03/2018 **Duration:** 5 days
- 4 Name of the project:** Local dielectric spectroscopy by AFM. Application to polymer based materials (Reference: 2015/6)
Name principal investigator (PI, Co-PI....): Angel Alegria
Funding entity or bodies:
Donostia International Physics Center **Type of entity:** Fundación
City funding entity: San Sebastián, Basque Country, Spain
Start date: 11/01/2016 **Duration:** 2 years - 11 months
Total amount: 93.300 €
- 5 Name of the project:** Structure of organic semiconducting molecules on surfaces
Name principal investigator (PI, Co-PI....): Michele Sferrazza
Funding entity or bodies:
Université libre de Bruxelles **Type of entity:** University
City funding entity: Bruselas, Belgium
Start date: 27/10/2014 **Duration:** 1 year - 1 month
Total amount: 42.000 €



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1 Paul Markus; Daniel E. Martínez-Tong; Georg Papastavrou; Angel Alegria. Effect of Environmental Humidity on the Ionic Transport of Poly(ethylene Oxide) Thin Films by Local Dielectric Spectroscopy. *Soft Matter*. Preprint Server, 03/03/2020.

DOI: <https://doi.org/10.1039/C9SM02471A>

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 3.399

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - POLYMER SCIENCE

Journal in the top 25%: Yes
- 2 Michelina Soccio; Nadia Lotti; Andrea Munari; Esther Rebollar; Daniel E. Martínez-Tong. Wrinkling Poly(trimethylene 2,5-Furanoate) Free-standing Films: Nanostructure Formation and Physical Properties. *ChemRxiv*. Preprint Server, 20/02/2020.

DOI: <https://doi.org/10.26434/chemrxiv.11867205.v1>

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 5

Format: Journal

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

Corresponding author: Yes
- 3 Daniel E. Martínez-Tong; Jordan Ochs; Fabienne Barroso-Bujans; Angel Alegria. Broadband dielectric spectroscopy to validate architectural features in Type-A polymers: Revisiting the poly(glycidyl phenyl ether) case. *The European Physical Journal E*. 42, pp. 93. Springer, 22/07/2019.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Format: Journal

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

Corresponding author: Yes
- 4 Elodie Limousin; Daniel E Martínez-Tong; Nicholas Ballard; Jose M Asua. Cure-Dependent Morphology of Acrylic/Alkyd Hybrid Latex Films via Nanomechanical Mapping. *ACS Applied Polymer Materials*. 1 - 8, pp. 2213 - 2223. ACS, 11/07/2019.

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Format: Journal

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

Corresponding author: No
- 5 Jordan Ochs; Daniel E. Martínez-Tong; Angel Alegria; Fabienne Barroso-Bujans. Dielectric relaxation as a probe to verify the symmetrical growth of two-arm poly(glycidyl phenyl ether) initiated by t-BuP4/ethylene glycol. *Macromolecules*. ACS, 22/02/2019.

Type of production: Scientific paper

Position of signature: 2

Format: Journal

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



Total no. authors: 4
Impact source: ISI
Impact index in year of publication: 5.914

Corresponding author: Yes
Category: Science Edition - POLYMER SCIENCE
Journal in the top 25%: Yes

- 6** René I. Rodríguez-Beltrán; Daniel E. Martínez-Tong; Adela Reyes-Contreras; Sandra Paszkiewicz; Anna Szymczyk; Tiberio A. Ezquerro; Pablo Moreno; Esther Rebollar. Laterally-resolved mechanical and tribological properties of laser-structured polymer nanocomposites. *Polymer*. 168, pp. 178 - 184. Elsevier, 18/02/2019. Available on-line at: <<https://doi.org/10.1016/j.polymer.2019.02.034>>.

Type of production: Scientific paper
Position of signature: 2

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

Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 3.483

Corresponding author: Yes
Category: Science Edition - POLYMER SCIENCE
Journal in the top 25%: Yes

- 7** Julen De-La-Cuesta; Isabel Asenjo-Sanz; Alejandro Latorre-Sánchez; Edurne González; Daniel E. Martínez-Tong; José A. Pomposo. Enzyme-mimetic synthesis of PEDOT from self-folded iron-containing single-chain nanoparticles. *European Polymer Journal*. 109, pp. 447 - 452. Elsevier, 08/09/2018.

DOI: <https://doi.org/10.1016/j.eurpolymj.2018.09.012>
Type of production: Scientific paper
Position of signature: 5

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

Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 3.741

Corresponding author: No
Category: Science Edition - POLYMER SCIENCE
Journal in the top 25%: Yes

- 8** Jordan Ochs; Antonio Veloso; Daniel E. Martínez-Tong; Angel Alegria; Fabienne Barroso-Bujans. An insight into the anionic ring-opening polymerization with tetrabutylammonium azide for the generation of pure cyclic poly(glycidyl phenyl ether). *Macromolecules*. 51 - 7, pp. 2447 - 2455. American Chemical Society, 13/03/2018.
DOI: DOI: 10.1021/acs.macromol.7b02580

Type of production: Scientific paper
Position of signature: 3

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

Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 5.835

Corresponding author: No
Category: Science Edition - POLYMER SCIENCE
Journal in the top 25%: Yes

- 9** Michelina Soccio; Daniel E. Martínez-Tong; Angel Alegria; Andrea Munari; Nadia Lotti. Molecular dynamics of fully biobased poly(butylene 2,5-furanoate) as revealed by broadband dielectric spectroscopy. *Polymer*. 128, pp. 24 - 30. Elsevier, 06/09/2017.

Type of production: Scientific paper
Position of signature: 2

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

Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 3.684

Corresponding author: Yes
Category: Science Edition - POLYMER SCIENCE
Journal in the top 25%: Yes



- 10** Daniel E. Martínez-Tong; Luis A. Miccio; Angel Alegria. Ionic transport in the amorphous phase of semicrystalline polyethylene oxide thin films. *Soft Matter*. 13, pp. 5597 - 5603. RSC Publishing, 07/07/2017.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 3
Impact source: ISI
Impact index in year of publication: 3.889
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY
Journal in the top 25%: Yes
- 11** Daniel E. Martínez-Tong; Mikel Sanz; Tiberio A. Ezquerra; Aurora Nogales; José F. Marco; Marta Castillejo; Esther Rebollar. Formation of polymer nanoparticles by UV pulsed laser ablation of poly (bisphenol A carbonate) in liquid environment. *Applied Surface Science*. 418 - Part B, pp. 522 - 529. Elsevier, 24/11/2016.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.387
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - MATERIALS SCIENCE, COATINGS & FILMS
Journal in the top 25%: Yes
- 12** Ludovic Troian-Gautier; Daniel E. Martínez-Tong; Julie Hubert; François Reniers; Michele Sferrazza; Alice Mattiuzzi; Corinne Lagrost; Ivan Jabin. Controlled Modification of Polymer Surfaces through Grafting of Calix[4]arene-Tetradiazoate Salts. *The Journal of Physical Chemistry C*. 120 - 40, pp. 22936 - 22945. ACS Publications, 15/09/2016.
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 4.536
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY
Journal in the top 25%: Yes
- 13** Esther Rebollar; Daniel E. Martínez-Tong; Mikel Sanz; Mohamed Oujja; José F. Marco; Tiberio A. Ezquerra; Marta Castillejo. Fluence dependent electrical conductivity in aluminium thin films grown by infrared pulsed laser deposition. *Applied Surface Science*. 387, pp. 1188 - 1194. Elsevier, 11/07/2016.
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.387
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - MATERIALS SCIENCE, COATINGS & FILMS
Journal in the top 25%: Yes
- 14** Daniel E. Martínez-Tong; Gabin Gbabode; Christian Ruziè; Basab Chattopadhyay; Guillaume Schweicher; Alan R. Kennedy; Yves H. Geerts; Michele Sferrazza. Self-assembled π -conjugated organic nanoplates: from hexagonal to triangular motifs. *RSC Advances*. 6, pp. 44921 - 44931. RSC Publishing, 20/04/2016.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 8
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes



Impact source: ISI

Impact index in year of publication: 3.108

Category: Science Edition - CHEMISTRY, MULTIDISCIPLINARY

Journal in the top 25%: No

- 15** Jing Cui; Daniel E. Martínez-Tong; Alejandro Sanz; Tiberio A. Ezquerra; Esther Rebollar; Aurora Nogales. Relaxation and Conductivity in P3HT/PC71BM Blends as Revealed by Dielectric Spectroscopy. *Macromolecules*. 49 - 7, pp. 2709 - 2717. ACS Publications, 23/03/2016.

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 5.835

Format: Journal

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

Corresponding author: No

Category: Science Edition - POLYMER SCIENCE

Journal in the top 25%: Yes

- 16** Daniel E. Martínez-Tong; Christian Ruziè; Yves Geerts; Michele Sferrazza. Structural Evolution of an Organic Semiconducting Molecule onto a Soft Substrate. *ChemPhysChem*. 17 - 8, pp. 1174 - 1179. Wiley, 19/02/2016.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 3.075

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - PHYSICS, ATOMIC, MOLECULAR & CHEMICAL

Journal in the top 25%: Yes

- 17** Álvaro Rodríguez-Rodríguez; Michelina Soccio; Daniel E. Martínez-Tong; Tiberio A. Ezquerra; Benjamin Watts; Mari-Cruz García-Gutiérrez. Competition between phase separation and structure confinement in P3HT/PCDTBT heterojunctions: Influence on nanoscale charge transport. *Polymer*. 77, pp. 70 - 78. Elsevier, 09/09/2015.

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 3.586

Format: Journal

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

Corresponding author: No

Category: Science Edition - POLYMER SCIENCE

Journal in the top 25%: Yes

- 18** Daniel E. Martínez-Tong; Álvaro Rodríguez-Rodríguez; Aurora Nogales; Mari-Cruz García-Gutiérrez; Francesc Pérez-Murano; Jordi Llobet; Tiberio A. Ezquerra; Esther Rebollar. Laser Fabrication of Polymer Ferroelectric Nanostructures for Nonvolatile Organic Memory Devices. *ACS Applied Materials & Interfaces*. 7 - 35, pp. 19611 - 19618. ACS Publications, 17/08/2015.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 7.145

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - NANOSCIENCE & NANOTECHNOLOGY

Journal in the top 25%: Yes

- 19** Jean Spièce; Daniel E. Martínez-Tong; Michele Sferrazza; Aurora Nogales; Simone Napolitano. Are Polymers Glassier upon Confinement?. *Soft Matter*. 11, pp. 6179 - 6186. RSC Publishing, 12/06/2015.

Type of production: Scientific paper

Position of signature: 2

Format: Journal



Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 3.798

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

Corresponding author: No

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

- 20** D. E. Martínez-Tong; M. Soccio; A. Sanz; C. García; T. A. Ezquerra; A. Nogales. Ferroelectricity and molecular dynamics of poly(vinylidene fluoride-trifluoroethylene) nanoparticles. *Polymer*. 56, pp. 428 - 434. Elsevier, 26/11/2014.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 3.562

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - POLYMER SCIENCE

Journal in the top 25%: Yes

- 21** D. E. Martínez-Tong; A. S. Najar; M. Soccio; A. Nogales; N. Bitinis; M. A. López-Manchado; T. A. Ezquerra. Quantitative Mapping of Mechanical Properties in Poly(lactic Acid)/Natural Rubber/Organoclay Bionanocomposites as Revealed by Nanoindentation with Atomic Force Microscopy. *Composites Science and Technology*. 104, pp. 34 - 39. Elsevier, 06/09/2014.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 3.569

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - MATERIALS SCIENCE, COMPOSITES

Journal in the top 25%: Yes

- 22** Daniel E. Martínez-Tong; Jing Cui; Michelina Soccio; Carolina García; Tiberio A. Ezquerra; Aurora Nogales. Does the Glass Transition of Polymers Change Upon 3D Confinement?. *Macromolecular Chemistry and Physics*. 215 - 17, pp. 1620 - 1624. WILEY-VCH Verlag GmbH & Co, 17/07/2014.

Type of production: Scientific paper

Corresponding author: Yes

Impact source: ISI

Impact index in year of publication: 2.616

Format: Journal

Category: Science Edition - POLYMER SCIENCE

Journal in the top 25%: No

- 23** D. E. Martínez-Tong; B. Vanroy; M. Wübbenhorst; A. Nogales; S. Napolitano. Crystallization of Poly(l-lactide) Confined in Ultrathin Films: Competition between Finite Size Effects and Irreversible Chain Adsorption. *Macromolecules*. 47 - 7, pp. 2354 - 2360. 28/03/2014.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 5.800

Format: Journal

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

Corresponding author: No

Category: Science Edition - POLYMER SCIENCE

Journal in the top 25%: Yes



- 24** M. Soccio; N. Alayo; I. Martín-Fabiani; D. R. Rueda; M. C. García-Gutiérrez; E. Rebollar; D. E. Martínez-Tong; F. Pérez-Murano; T. A. Ezquerro. On the assessment by grazing-incidence small-angle X-ray scattering of replica quality in polymer gratings fabricated by nanoimprint lithography. *Journal of Applied Crystallography*. 47 - 2, pp. 613 - 618. 19/03/2014. Available on-line at: <<http://dx.doi.org/10.1107/S160057671400168X>>.
- Type of production:** Scientific paper
Position of signature: 7
Total no. authors: 9
Impact source: ISI
Impact index in year of publication: 3.984
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - CRYSTALLOGRAPHY
Journal in the top 25%: Yes
- 25** Daniel E Martinez-Tong; Michelina Soccio; Alejandro Sanz; Carolina Garcia; Tiberio A Ezquerro; Aurora Nogales. Chain Arrangement and Glass Transition Temperature Variations in Polymer Nanoparticles under 3D-Confinement. *Macromolecules*. 46 - 11, pp. 4698 - 4705. ACS, 30/05/2013.
- Type of production:** Scientific paper
Position of signature: 1
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 5.927
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - POLYMER SCIENCE
Journal in the top 25%: Yes
- 26** Daniel E Martinez-Tong; Michelina Soccio; Mari Cruz Garcia-Gutierrez; Aurora Nogales; Daniel R. Rueda; Nerea Alayo; Francesc Perez-Murano; Tiberio A. Ezquerro. Improving information density in ferroelectric polymer films by using nanoimprinted gratings. *Applied Physics Letters*. 102, pp. 191601. AIP, 13/05/2013.
- Type of production:** Scientific paper
Position of signature: 1
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 3.515
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - PHYSICS, APPLIED
Journal in the top 25%: Yes
- 27** Estrella Laredo; Alfredo Bello; Jonas Dias; Mario Grimau; Daniel Martinez-Tong; Defeng Wu; Liang Wu. Effect of cold-crystallization on the AC and DC conductive properties of polylactide biocomposites with carboxylic or neat large aspect ratio MWCNT. *Polymer Composites*. 34 - 1, pp. 67 - 76. Wiley, 10/12/2012.
- Type of production:** Scientific paper
Position of signature: 5
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 1.455
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - MATERIALS SCIENCE, COMPOSITES
Journal in the top 25%: No
- 28** Daniel E. Martinez-Tong; Michelina Soccio; Alejandro Sanz; Tiberio A. Ezquerro; Nadia Lotti; Andrea Munari; Aurora Nogales. Towards homogeneous dynamics in incompatible blends by selective transesterification. *Soft Matter*. 8 - 25, pp. 6723 - 6730. RSC, 21/05/2012.
- Type of production:** Scientific paper
Position of signature: 1
Total no. authors: 7
Impact source: ISI
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No



Impact index in year of publication: 3.909

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

- 29** Aurora Nogales; Daniel E. Martínez-Tong. Crystallization in Nanoparticles. Controlling the Morphology of Polymers. pp. 163 - 180. Springer, ISBN 978-3-319-39320-9

DOI: 10.1007/978-3-319-39322-3

Type of production: Book chapter

Position of signature: 2

Total no. authors: 2

Format: Book

Degree of contribution: Author or co-author of chapter in book

Corresponding author: No

- 30** Daniel E. Martínez-Tong; Alejandro Sanz; Jaime Martin; Tiberio A. Ezquerra; Aurora Nogales. Non-equilibrium Structure Affects Ferroelectric Behavior of Confined Polymers. Non-equilibrium Phenomena in Confined Soft Matter. pp. 189 - 206. Springer, ISBN 978-3-319-21947-9

DOI: 10.1007/978-3-319-21948-6

Type of production: Book chapter

Position of signature: 1

Total no. authors: 5

Format: Book

Degree of contribution: Author or co-author of chapter in book

Corresponding author: No

- 31** Jean Spièce; Daniel E. Martínez-Tong; Simone Napolitano. The thinner, the glassier. Atlas of Science. 16/11/2015. Available on-line at: <<http://atlasofscience.org/the-thinner-the-glassier/>>.

Type of production: Web Article

Position of signature: 2

Total no. authors: 3

Corresponding author: No

Works submitted to national or international conferences

- 1** **Title of the work:** Shaping polymer surfaces by laser interactions: formation and nano mechanical properties of LIPSS in controlled environments

Name of the conference: TNT2019

Corresponding author: Yes

City of event: Donostia, Basque Country, Spain

Date of event: 30/09/2019

End date: 04/10/2019

Organising entity: FUNDACION PHANTOMS

Daniel E Martinez-Tong; Mikel Sanz; Esther Rebollar.

- 2** **Title of the work:** The Magic of BDS

Name of the conference: SFB840 Seminar Series (invited lecture)

Corresponding author: Yes

City of event: Bayreuth, Oberfranken, Germany

Date of event: 12/09/2019

End date: 12/09/2019

Organising entity: Universität Bayreuth

Daniel E Martinez-Tong.

Type of entity: University



- 3** **Title of the work:** Mapping the ionic conductivity of a solid polymer electrolyte by non-contact AFM
Name of the conference: Nanospain 2019
Corresponding author: Yes
City of event: Barcelona, Catalonia, Spain
Date of event: 28/05/2019
End date: 31/05/2019
Organising entity: FUNDACION PHANTOMS
Daniel E Martinez-Tong; Paul Markus; Georg Papastavrou; Angel Alegria.
- 4** **Title of the work:** Structure, dynamics and barrier performance relationship in furan-based polyesters
Name of the conference: Milan Polymer Days
City of event: Milan, Italy
Date of event: 11/03/2019
End date: 13/03/2019
Organising entity: University of Milan
City organizing entity: Milan, Italy
Michelina Soccio; Giulia Guidotti; Nadia Lotti; Valentina Siracusa; Mari Cruz García-Gutiérrez; Edgar Gutiérrez; Tiberio A. Ezquerro; Daniel E. Martínez-Tong; Angel Alegria; Andrea Munari.
- 5** **Title of the work:** Estudio de propiedades dialécticas de polímeros con resolución lateral nanométrica usando microscopio de fuerza atómica
Name of the conference: LXVIII convención anual de AsoVAC
Corresponding author: Yes
City of event: Caracas, Venezuela
Date of event: 21/11/2018
End date: 23/11/2018
Organising entity: AsoVAC **Type of entity:** Associations and Groups
City organizing entity: Caracas, Venezuela
Daniel E. Martínez-Tong; Paul Markus; Angel Alegria.
- 6** **Title of the work:** Dielectric properties of polymers with lateral resolution using an AFM approach: nanoDielectric Spectroscopy
Name of the conference: POLYMAT seminar series 2018/2019 (Invited lecture)
Corresponding author: Yes
City of event: Donostia, Basque Country, Spain
Date of event: 16/11/2018
Organising entity: POLYMAT **Type of entity:** R&D Centre
City organizing entity: Donostia, Basque Country, Spain
Daniel E. Martínez-Tong.
- 7** **Title of the work:** Broadband Dielectric Spectroscopy for evaluating cyclic and other complex polymer architectures
Name of the conference: 10th ENCP international conference on nanostructured polymers and nanocomposites
Corresponding author: Yes
City of event: Donostia, Basque Country, Spain
Date of event: 03/10/2018
End date: 05/10/2018
Organising entity: ECNP **Type of entity:** Associations and Groups
City organizing entity: Donostia, Basque Country, Spain
Daniel E. Martínez-Tong; Jordan Ochs; Angel Alegria; Fabienne Barroso-Bujans.



- 8** **Title of the work:** BDS as an analytical tool for the analysis of polyethers with different architectures
Name of the conference: 10th Conference on Broadband Dielectric Spectroscopy and its Applications
Corresponding author: Yes
City of event: Brussels, Belgium
Date of event: 26/08/2018
End date: 31/08/2018
Organising entity: Université libre de Bruxelles **Type of entity:** University
City organizing entity: Brussels, Belgium
Daniel E. Martínez-Tong; Jordan Ochs; Angel Alegria; Fabienne Barroso-Bujans.
- 9** **Title of the work:** Molecular dynamics of novel poly(pentamethylene 2,5-furanoate): Exploring a complete landscape of molecular dynamics and finding unexpected results
Name of the conference: 10th Conference on Broadband Dielectric Spectroscopy and its Applications
Corresponding author: Yes
City of event: Brussels, Belgium
Date of event: 26/08/2018
End date: 31/08/2018
Organising entity: Université libre de Bruxelles **Type of entity:** University
City organizing entity: Brussels, Belgium
Daniel E. Martínez-Tong; Michelina Soccio; Giulia Guidotti; Andrea Munari; Nadia Lotti; Angel Alegria.
- 10** **Title of the work:** Laterally-resolved properties of all-polymer composites thin films by high-resolution atomic force microscopy
Name of the conference: Workshop on Functional Polymers
Corresponding author: Yes
City of event: Donostia, Basque Country, Spain
Date of event: 19/03/2018
End date: 21/03/2018
Organising entity: Donostia International Physics **Type of entity:** Others
Center
City organizing entity: Donostia, Basque Country, Spain
Daniel E. Martínez-Tong; Edurne González; Beatriz Robles; José A. Pomposo; Angel Alegria.
- 11** **Title of the work:** Ionic transport of polymer electrolyte thin-films by nanoDielectric Spectroscopy
Name of the conference: Surfaces and Interfaces Summer School
City of event: Donostia, Spain
Date of event: 20/06/2017
End date: 23/06/2017
Organising entity: Universidad del País Vasco **Type of entity:** University
Daniel E. Martínez-Tong; Angel Alegria.
- 12** **Title of the work:** nanoDielectric Spectroscopy as a tool for the characterization of polymer electrolytes
Name of the conference: E-MRS Spring meeting 2017
City of event: Strasbourg, France
Date of event: 22/05/2017
End date: 26/05/2017
Organising entity: European Materials Research Society
Luis A. Miccio; Angel Alegria.

- 13 Title of the work:** Exploring interfacial polarization phenomena in semicrystalline polymer thin films: from local to bulk dielectric measurements
Name of the conference: 9th International Conference on BROADBAND DIELECTRIC SPECTROSCOPY AND ITS APPLICATIONS.
City of event: Pisa, Italy
Date of event: 11/09/2016
End date: 16/09/2016
Organising entity: Departments of Physics and Engineering of the University of Pisa and National Research Council (CNR-IPCF)
Daniel E. Martínez-Tong; Luis A. Miccio; Angel Alegria.
- 14 Title of the work:** Laser fabrication of polymer ferroelectric nanostructures. Application for non-volatile organic memory devices
Name of the conference: 10TH INTERNATIONAL CONFERENCE ON PHOTOEXCITED PROCESSES AND APPLICATIONS (ICPEPA-10)
City of event: Brasov, Romania
Date of event: 29/08/2016
End date: 02/09/2016
Organising entity: National Institute for Laser, Plasma and Radiation Physics
Jing Cui; Margarita Hernández; Daniel E. Martínez-Tong; Álvaro Rodríguez-Rodríguez; Aurora Nogales; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerra; Esther Rebollar.
- 15 Title of the work:** Dielectric spectroscopy on nanostructured polymer thin films: macroscopic vs AFM based methods
Name of the conference: SoftComp Annual Meeting 2016
City of event: Ancona, Italy
Date of event: 06/06/2016
End date: 09/06/2016
Organising entity: Network of Excellence (NoE) SoftComp
Daniel E. Martínez-Tong.
- 16 Title of the work:** Formation of polymer nanoparticles by UV pulsed laser ablation of poly(bisphenol A carbinat) in liquid environment
Name of the conference: E-MRS (European Materials Research Society) 2016, SPRING MEETING
City of event: Lille, France
Date of event: 02/05/2016
End date: 06/05/2016
Organising entity: European Materials Research Society
Daniel Martínez-Tong; Esther Rebollar; Mikel Sanz; Tiberio A. Ezquerra; Aurora Nogales; Marta Castillejo.
- 17 Title of the work:** Simultaneous laser induced periodic nanostructuring and diffraction-assisted micropatterning of thin polymer films
Name of the conference: E-MRS (European Materials Research Society) 2016, SPRING MEETING
City of event: Lille, France
Date of event: 02/05/2016
End date: 06/05/2016
Organising entity: European Materials Research Society
Esther Rebollar; Jaime J. Hernández; Daniel Martínez-Tong; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerra; Marta Castillejo.



- 18** **Title of the work:** A characterization of poly (L-lactide) thin films via AFM, ellipsometry and X-ray Scattering
Name of the conference: 6th International Conference on SYNCHROTRON RADIATION in POLYMER SCIENCE
City of event: Madrid, Community of Madrid, Spain
Date of event: 07/09/2015
End date: 10/09/2015
Organising entity: Instituto de Estructura de la Materia **Type of entity:** State agency
Daniel E. Martínez-Tong; J. Spièce; A. Nogales; M. Sferrazza; S. Napolitano.
- 19** **Title of the work:** Competition between phase separation and structure con ne- ment in P3HT/PCDTBT heterojunctions: In uence on nanos- cale charge transport
Name of the conference: 6th International Conference on SYNCHROTRON RADIATION in POLYMER SCIENCE
City of event: Madrid, Community of Madrid, Spain
Date of event: 07/09/2015
End date: 10/09/2015
Organising entity: Instituto de Estructura de la Materia **Type of entity:** State agency
A. Rodríguez-Rodríguez; M. Soccio; D. E. Martínez-Tong; T. A. Ezquerra; B. Watts; M. C. García-Gutiérrez.
- 20** **Title of the work:** Crystallinity in poly (3-hexyl thiophene) nanoparticles
Name of the conference: 6th International Conference on SYNCHROTRON RADIATION in POLYMER SCIENCE
City of event: Madrid, Community of Madrid, Spain
Date of event: 07/09/2015
End date: 10/09/2015
Organising entity: Instituto de Estructura de la Materia **Type of entity:** State agency
J. Cui; D. E. Martínez-Tong; T. A. Ezquerra; A. Nogales.
- 21** **Title of the work:** Simultaneous laser induced periodic nanostructuring and diffraction-assisted micropatterning of thin polymer films
Name of the conference: 13th Conference on Laser Ablation (COLA-2015)
City of event: Cairns, Australia
Date of event: 31/08/2015
End date: 04/09/2015
Organising entity: Australian National University
Daniel E. Martínez-Tong; Jaime J. Hernández; Daniel E. Martínez-Tong; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerra; Marta Castillejo.
- 22** **Title of the work:** Laser fabrication of polymer ferroelectric nanostructures for non-volatile organic memory devices
Name of the conference: E-MRS 2015 Spring Meeting
City of event: Lille, France
Date of event: 11/05/2015
End date: 15/05/2015
Organising entity: European Materials Research Society
Daniel E. Martínez-Tong; Álvaro Rodríguez-Rodríguez; Aurora Nogales; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerra; Esther Rebolgar.



- 23** **Title of the work:** Improving information density in ferroelectric polymer films by using nanoimprinted gratings
Name of the conference: APS March Meeting
City of event: San Antonio, United States of America
Date of event: 02/03/2015
End date: 06/03/2015
Organising entity: American Physical Society
Daniel E. Martínez-Tong; Michelina Soccio; Daniel R. Rueda; Aurora Nogales; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerra.
- 24** **Title of the work:** Competition between phase separation and structure confinement in all polymer heterojunctions: Influence on charge transport
Name of the conference: 2015 EMN Polymer Meeting: energy materials nanotechnology
City of event: Orlando, United States of America
Date of event: 07/01/2015
End date: 10/01/2015
Organising entity: uahost
Álvaro Rodríguez-Rodríguez; Michelina Soccio; Daniel E. Martínez-Tong; Tiberio A. Ezquerra.
- 25** **Title of the work:** Point-by-point mechanical information on polymer blends
Name of the conference: Workshop de Microscopia AFM
City of event: Madrid, Spain
Date of event: 23/09/2014
End date: 24/09/2014
Organising entity: Telstar, S.A. **Type of entity:** Business
Daniel E. Martínez-Tong.
- 26** **Title of the work:** Analysis of the conductivity of conjugated polymer/fullerene based blends by dielectric spectroscopy
Name of the conference: 8th International Conference on Broadband Dielectric Spectroscopy and its Applications
Type of event: Conference
City of event: Wisla, Poland
Date of event: 14/09/2014
End date: 19/09/2014
Organising entity: Institute of Physics at the University of Silesia
City organizing entity: Katowice, Poland
J Cui; D. E. Martínez-Tong; A. Sanz; T. A. Ezquerra; A. Nogales.
- 27** **Title of the work:** Broadband Dielectric Relaxation of P(VDF-TrFE) Ferroelectric Nanoparticles
Name of the conference: 8th International Conference on Broadband Dielectric Spectroscopy and its Applications
Type of event: Conference
City of event: Wisla, Poland
Date of event: 14/09/2014
End date: 19/09/2014
Organising entity: Institute of Physics at the University of Silesia
City organizing entity: Katowice, Poland
D. E. Martínez-Tong; M. Soccio; A. Sanz; A. Nogales; T. A. Ezquerra.



- 28** **Title of the work:** Nanostructured Ferroelectric Polymers. Implications on ferroelectricity and relaxation
Name of the conference: 8th International Conference on Broadband Dielectric Spectroscopy and its Applications
Type of event: Conference
City of event: Wisla, Poland
Date of event: 14/09/2014
End date: 19/09/2014
Organising entity: Institute of Physics at the University of Silesia
City organizing entity: Katowice, Poland
D. E. Martínez-Tong; M. Soccio; M. C. García-Gutiérrez; D Rueda; A. Sanz; A. Nogales; T. A. Ezquerra.
- 29** **Title of the work:** Nanoscale structure-property relationships in all-polymer heterojunctions.
Name of the conference: 10th International Conference on Organic Electronics
City of event: Modena, Italy
Date of event: 11/06/2014
End date: 13/06/2014
Mari-Cruz García-Gutiérrez; Álvaro Rodríguez-Rodríguez; Michela Soccio; Daniel Martínez-Tong; Tiberio Ezquerra; Benjamin Watts.
- 30** **Title of the work:** Aluminum metal versus aluminum oxide fabricated by nanosecond pulsed laser deposition
Name of the conference: European Materials Research Society 2014 Spring Meeting
City of event: Lille, France
Date of event: 26/05/2014
End date: 30/05/2014
Organising entity: European Materials Research Society **Type of entity:** Public Research Body
Esther Rebollar; Mikel Sanz; Daniel E. Martínez-Tong; Mohamed Oujja; José F. Marco; Tiberio A. Ezquerra; Marta Castillejo.
- 31** **Title of the work:** Chain configurations, glass transition and polymer dynamics in polymer nanoparticles under 3D-confinement
Name of the conference: APS March Meeting 2014
City of event: Denver, United States of America
Date of event: 03/03/2014
End date: 07/03/2014
Organising entity: American Physical Society **Type of entity:** Public Research Body
Aurora Nogales; Daniel E. Martínez-Tong; Michelina Soccio; Alejandro Sanz; Tiberio A. Ezquerra.
- 32** **Title of the work:** Assessment of Replica Quality in Polymer Gratings Fabricated by Nanoimprint Lithography by means of Grazing Incidence Small Angle X-ray Scattering
Name of the conference: Twelfth International Conference on Nanoimprint and Nanoprint Technology
City of event: Barcelona, Catalonia, Spain
Date of event: 21/10/2013
End date: 23/10/2013
Organising entity: Catalan Institute of Nanotechnology **Type of entity:** Technological Centre
City organizing entity: Barcelona, Catalonia, Spain
Michelina Soccio; Ignacio Martín-Fabiani; Daniel R Rueda; Daniel E Martínez-Tong; Mari Cruz García-Gutiérrez; Aurora Nogales; Tiberio A Ezquerra; Nerea Alayo; Francesc Perez-Murano; Esther Rebollar.



- 33** **Title of the work:** Improving Control on Information Storage in Ferroelectric Polymer Films by using Nanoimprint Lithography
Name of the conference: Twelfth International Conference on Nanoimprint and Nanoprint Technology
City of event: Barcelona, Catalonia, Spain
Date of event: 21/10/2013
End date: 23/10/2013
Organising entity: Catalan Institute of Nanotechnology
Type of entity: Technological Centre
City organizing entity: Barcelona, Catalonia, Spain
Daniel E Martinez-Tong; Michelina Soccio; Mari Cruz Garcia-Gutierrez; Aurora Nogales; Daniel R Rueda; Tiberio A Ezquerra; Nerea Alayo; Francesc Perez-Murano.
- 34** **Title of the work:** Chain arrangement and glass transition temperature variations in polymer nanoparticles under 3D-confinement
Name of the conference: 7th. International Discussion Meeting on Relaxation in Complex Systems
City of event: Barcelona, Catalonia, Spain
Date of event: 21/07/2013
End date: 26/07/2013
Organising entity: Universitat Politècnica de Catalunya
Type of entity: University
City organizing entity: Barcelona, Catalonia, Spain
Daniel Martinez-Tong; Michelina Soccio; Alejandro Sanz; Carolina Garcia; Tiberio Ezquerra; Aurora Nogales; Simone Napolitano; Aurora Nogales.
- 35** **Title of the work:** Crystallization of PLLA confined in ultrathin films, competition of finite size effects and irreversible chain adsorption
Name of the conference: 7th. International Discussion Meeting on Relaxation in Complex Systems
City of event: Barcelona, Catalonia, Spain
Date of event: 21/07/2013
End date: 26/07/2013
Organising entity: Universitat Politècnica de Catalunya
Type of entity: University
City organizing entity: Barcelona, Catalonia, Spain
Daniel Martinez-Tong; Bram Vanroy; Basab Chattopadhyay; Yves Geerts; Michael Wübbenhorst; Aurora Nogales; Simone Napolitano.
- 36** **Title of the work:** Chain arrangement and glass transition temperature variations in polymer nanoparticles under 3D-confinement
Name of the conference: European Polymer Congress
City of event: Pisa, Italy
Date of event: 16/06/2013
End date: 21/06/2013
Organising entity: European Polymer Federation
Type of entity: Foundation
Daniel E Martinez-Tong; Michelina Soccio; Alejandro Sanz; Carolina Garcia; Tiberio A Ezquerra; Aurora Nogales.
- 37** **Title of the work:** Towards homogeneous dynamics in incompatible blends by selective transfer
Name of the conference: 7th Conference of the International Dielectric Society & 13th Conference on Dielectric & Related Phenomena
City of event: Leipzig, Germany
Date of event: 03/09/2012
End date: 07/09/2012



Organising entity: University of Leipzig
City organizing entity: Leipzig, Germany
Daniel E Martinez-Tong; Michelina Soccio; Alejandro Sanz; Tiberio A Ezquerra; Nadia Lotti; Andrea Munari; Aurora Nogales.

Type of entity: University

38 Title of the work: Estudio de Potenciales para Dinámica Molecular de Nanoestructuras de Carbono: Nueva Propuesta para la Combinación de Potenciales

Name of the conference: VII Congreso de la Sociedad Venezolana de Física

City of event: Caracas, Venezuela

Date of event: 07/12/2009

End date: 11/12/2009

Organising entity: Sociedad Venezolana de Fisica **Type of entity:** Foundation

City organizing entity: Caracas, Venezuela

Carlo Guerrero; Daniel Martinez-Tong.

39 Title of the work: Fabricación de Nanodiodos Basados en una Estructura Metal-Semiconductor con Contactos Metálicos Obtenidos Mediante Litografía por Haz de Electrones

Name of the conference: VII Congreso de la Sociedad Venezolana de Física

City of event: Caracas, Venezuela

Date of event: 07/12/2009

End date: 11/12/2009

Organising entity: Sociedad Venezolana de Fisica **Type of entity:** Foundation

City organizing entity: Caracas, Venezuela

Carlo Guerrero; Ramon Bueno; Daniel Martinez-Tong; Arnaldo Donoso; Elvis Hernandez.

Other dissemination activities

1 Title of the work: Semana de la Ciencia

Name of the event: Semana de la Ciencia

Type of event: Fairs and exhibitions

City of event: San Sebastián, Spain

Date of event: 07/11/2019

Organising entity: Universidad del País Vasco **Type of entity:** University

2 Title of the work: Intolerancia a la Viscoelasticidad

Name of the event: Semana de la Ciencia

Type of event: Conferences given

Corresponding author: Yes

City of event: San Sebastián, Spain

Date of event: 07/11/2018

Organising entity: Universidad del País Vasco **Type of entity:** University

Daniel E. Martínez-Tong.

3 Title of the work: Semana de la Ciencia

Name of the event: Semana de la Ciencia

Type of event: Fairs and exhibitions

City of event: San Sebastián, Spain

Date of event: 06/11/2018

Organising entity: Universidad del País Vasco **Type of entity:** University



- 4** **Title of the work:** Semana de la Ciencia
Name of the event: Semana de la Ciencia
Type of event: Fairs and exhibitions
City of event: San Sebastián, Spain
Date of event: 02/11/2016
Organising entity: Universidad del País Vasco **Type of entity:** University

R&D management and participation in scientific committees

Organization of R&D activities

- 1** **Title of the activity:** The 11th Conference on Broadband Dielectric Spectroscopy and its Applications
Type of activity: Conferencia
Convening entity: Donostia International Physics Center **Type of entity:** Otros
City convening entity: San Sebastián, Spain
Type of participation: Organiser
Start-End date: 06/09/2020 - 11/09/2020 **Duration:** 6 days
- 2** **Title of the activity:** 6th International Conference on Synchrotron Radiation in Polymer Science (SRPS6)
Type of activity: Conference (Local Organiser Committee)
City of event: Madrid, Community of Madrid, Spain
Convening entity: Instituto de Estructura de la Materia **Type of entity:** State agency
Type of participation: Organiser
Start-End date: 07/09/2015 - 10/09/2015

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Università di Bologna **Type of entity:** University
Faculty, institute or centre: DICAM
City of entity: Bologna, Italy
Start-End date: 12/12/2019 - 13/12/2019 **Duration:** 2 days
Goals of the stay: Colaboración
- 2** **Entity:** Instituto de Química Física Rocasolano **Type of entity:** State agency
City of entity: Madrid, Spain
Start-End date: 25/11/2019 - 27/11/2019 **Duration:** 3 days
Goals of the stay: Colaboración
- 3** **Entity:** Universität Bayreuth
City of entity: Bayreuth, Oberfranken, Germany
Start-End date: 26/08/2019 - 13/09/2019 **Duration:** 15 days
Goals of the stay: Colaboración



- 4** **Entity:** Instituto de Química Física Rocasolano **Type of entity:** State agency
City of entity: Madrid, Community of Madrid, Spain
Start-End date: 08/04/2019 - 12/04/2019 **Duration:** 5 days
Goals of the stay: Colaboración
- 5** **Entity:** Instituto de Química Física Rocasolano **Type of entity:** State agency
City of entity: Madrid, Community of Madrid, Spain
Start-End date: 25/04/2018 - 27/04/2018 **Duration:** 3 days
Goals of the stay: Colaboración
- 6** **Entity:** Instituto de Química Física Rocasolano **Type of entity:** State agency
City of entity: Madrid, Community of Madrid, Spain
Start-End date: 17/07/2017 - 21/07/2017 **Duration:** 5 days
Goals of the stay: Short-stay
Provable tasks: Laser nanostructuring of PET surfaces and Lateral Force Microscopy measurements
- 7** **Entity:** Université libre de Bruxelles **Type of entity:** University
City of entity: Brussels, Belgium
Start-End date: 11/07/2016 - 15/07/2016 **Duration:** 5 days
Goals of the stay: Short-stay
Provable tasks: Broadband Dielectric Spectroscopy on PEO thin films
- 8** **Entity:** La Universidad del Zulia **Type of entity:** University
Faculty, institute or centre: Centro de Modelado Científico - Facultad Experimental de Ciencias
City of entity: Maracaibo, Venezuela
Start-End date: 01/07/2007 - 31/07/2009 **Duration:** 2 years
Goals of the stay: Student
Provable tasks: Computational modeling of carbon nanostructure
- 9** **Entity:** Universidad Autónoma de Madrid **Type of entity:** University
City of entity: Madrid, Community of Madrid, Spain
Start-End date: 15/09/2008 - 14/10/2008 **Duration:** 1 month
Goals of the stay: Internship
Provable tasks: Molecular Dynamics Simulations
- 10** **Entity:** Université libre de Bruxelles **Type of entity:** University
City of entity: Brussels, Belgium
Start date: 08/10/2012 **Duration:** 67 days
Goals of the stay: Short stay during PhD studies
Provable tasks: Broadband Dielectric Spectroscopy on thin films

Obtained grants and scholarships

- 1** **Name of the grant:** Juan de la Cierva - Incorporación
Aims: Post-doctoral
Awarding entity: Ministerio de Ciencia e Innovación. **Type of entity:** Ministerio Universidades
Conferral date: 18/12/2018 **Duration:** 2 years
End date: 18/12/2020
Entity where activity was carried out: Universidad del País Vasco



Faculty, institute or centre: Facultad de Ciencias Químicas

2 Name of the grant: JAE-Pre

Aims: Pre-doctoral

Awarding entity: Consejo Superior de Investigaciones Científicas

Type of entity: State agency

Conferral date: 01/12/2010

Duration: 3 years - 11 months

End date: 24/10/2014

Entity where activity was carried out: Instituto de Estructura de la Materia