

c v n CURRÍCULUM VITAE NORMALIZADO



Daniel Tarrazó Serrano

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Daniel Tarrazó Serrano

Surname(s): **Tarrazó Serrano**
 Name: **Daniel**
 ScopusID: **57189048858**
 ORCID: **0000-0001-9986-0884**

Current professional situation

Employing entity: UNIVERSITAT POLITÈCNICA DE VALÈNCIA **Type of entity:** University
Department: AGENCIA ESTATAL DE INVESTIGACION, Centro de Tecnologías Físicas
Professional category: técnico superior de investigación **Educational Management (Yes/No):** No
Email: dtarrazo@fis.upv.es
Start date: 01/05/2017
Type of contract: Temporary employment contract **Dedication regime:** Full time

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universitat Politècnica de València	Técnico Superior de Investigación	01/05/2017
2	Universitat Politècnica de València	Becario Colaboración (Master)	01/06/2013

1 **Employing entity:** Universitat Politècnica de València
Professional category: Técnico Superior de Investigación
Start date: 01/05/2017 **Duration:** 3 years - 11 months - 29 days

2 **Employing entity:** Universitat Politècnica de València
Professional category: Becario Colaboración (Master)
Start date: 01/06/2013 **Duration:** 3 months - 29 days



Education

Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

- 1 Title of course/seminar:** Tus publicaciones, los financiadores y la Ciencia Abierta, qué debes saber.
Organising entity: ICE
Duration in hours: 2 hours
End date: 22/10/2020
- 2 Title of course/seminar:** Programa de Acogida Universitario.
Organising entity: ICE
Duration in hours: 50 hours
End date: 30/05/2018
- 3 Title of course/seminar:** Publicar con Springer
Organising entity: ICE
Duration in hours: 2 hours
End date: 05/07/2017

Teaching experience

General teaching experience

- 1 Type of teaching:** Official teaching
Name of the course: Fundamentos Físicos de la Informática
University degree: Grado en Ingeniería Informática
Course given: 2020
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universitat Politècnica de València
- 2 Type of teaching:** Official teaching
Name of the course: Fundamentos Físicos de la Ingeniería II
University degree: Grado en Ingeniería Agroalimentaria y del Medio Rural
Course given: 2020
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: Universitat Politècnica de València
- 3 Type of teaching:** Official teaching
Name of the course: Física II
University degree: Grado en Ingeniería de Tecnologías y Servicios de Telecomunicación
Course given: 2019
Type of hours/ ECTS credits: Credits



Hours/ECTS credits: 1,5

Entity: Universitat Politècnica de València

4 Type of teaching: Official teaching
Name of the course: Fundamentos Físicos de la Informática
University degree: Grado en Ingeniería Informática
Course given: 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universitat Politècnica de València

5 Type of teaching: Official teaching
Name of the course: Acústica ambiental
University degree: Grado en Ingeniería de Tecnologías y Servicios de Telecomunicación
Course given: 2018
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,1
Entity: Universitat Politècnica de València

6 Type of teaching: Official teaching
Name of the course: Física I
University degree: Grado en Ingeniería de Tecnologías y Servicios de Telecomunicación
Course given: 2018
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 5,75
Entity: Universitat Politècnica de València

Experience supervising doctoral thesis and/or final year projects

Project title: Mapa Sonoro del Campus de la Universitat Politècnica de València

Type of project: End of course project

Entity: Universitat Politècnica de València

Student: , RIPOLL GARCIA, AMPARO

Obtained qualification: 7.0

Date of reading: 16/12/2020

Educational or pedagogical publications, books, articles, etc.

Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Antonio Uris Martínez; Constanza Rubio Michavila. Modelización de los Modos Propios de un Recinto Paralelepípedo con Contornos Rígidos mediante el Método de los Elementos Finitos. Modelling in Science Education and Learning. 11, pp. 29 - 37. 2018. ISSN 1988-3145. DOI: 10.4995/msel.2018.10038.

Format: Article(s)



Participation in conferences with talks focused on teacher training

- 1 Name of the event:** 12th International Technology, Education and Development Conference (INTED 2018)
City of event: Valencia, Spain,
Date of presentation: 07/03/2018
INTED2018 Proceedings. pp. 5635 - 5640. IATED,
- 2 Name of the event:** 12th International Technology, Education and Development Conference (INTED 2018)
City of event: Valencia, Spain,
Date of presentation: 07/03/2018
INTED2018 Proceedings. pp. 5610 - 5616. IATED,
- 3 Name of the event:** 11th International Technology, Education and Development Conference (INTED 2017)
City of event: Valencia,
Date of presentation: 08/03/2017
INTED2017 Proceedings. pp. 4929 - 4934. IATED Digital Library,
- 4 Name of the event:** 11th International Technology, Education and Development Conference (INTED 2017)
City of event: Valencia,
Date of presentation: 08/03/2017
INTED2017 Proceedings. pp. 4944 - 4949. IATED Digital Library,
- 5 Name of the event:** 8th International Conference on Education and New Learning Technologies (EDULEARN 2016)
City of event: Barcelona, Spain,
Date of presentation: 06/07/2016
EDULEARN16 Proceedings. pp. 1405 - 1409. IATED Academy,
- 6 Name of the event:** 10th International Technology, Education and Development Conference (INTED 2016)
City of event: Valencia, Spain,
Date of presentation: 09/03/2016
INTED2016 Proceedings. pp. 3422 - 3428. IATED Digital Library,
- 7 Name of the event:** 10th International Technology, Education and Development Conference (INTED 2016)
City of event: Valencia, Spain,
Date of presentation: 09/03/2016
INTED2016 Proceedings. pp. 3429 - 3433. IATED Digital Library,

Other activities/achievements not included above

Description of the activity: Descarga de un condensador a través de una resistencia. Efecto Joule



Scientific and technological experience

Research and development groups/teams

Name of the group: Centro de Tecnologías Físicas: Acústica, Materiales y Astrofísica

Scientific or technological activities

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

- 1 Name of the project:** FOCALIZACION Y CONFORMACION DE HACES DE ULTRASONIDOS MEDIANTE LENTES PLANAS (RTI2018-100792-B-I00-AR)
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Pilar Candelas Valiente; Constanza Rubio Michavila
Nº of researchers: 8
Funding entity or bodies:
AGENCIA ESTATAL DE INVESTIGACION
Start date: 01/07/2019 **Duration:** 1 year - 9 months - 29 days
Total amount: 92.202 €
- 2 Name of the project:** AYUDAS PARA CONTRATOS PREDOCTORALES PARA LA FORMACION DE DOCTORES-TARRAZO SERRANO (BES-2016-077133)
Entity where project took place: Universitat Politècnica de València
Nº of researchers: 3
Funding entity or bodies:
AGENCIA ESTATAL DE INVESTIGACION
Start date: 01/05/2017 **Duration:** 4 years
Total amount: 92.750 €
- 3 Name of the project:** ESTRUCTURAS SUBWAVELENGTH PARA LA FOCALIZACION DE ULTRASONIDOS DE ALTA INTENSIDAD. (TEC2015-70939-R)
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Pilar Candelas Valiente
Nº of researchers: 8
Funding entity or bodies:
MINISTERIO DE ECONOMIA Y EMPRESA
Start date: 01/05/2017 **Duration:** 2 years - 2 months
Total amount: 58.443 €
- 4 Name of the project:** DISEÑO Y CONSTRUCCIÓN DE UN DISPOSITIVO DE FOCALIZACIÓN TERAPÉUTICA MEDIANTE CRISTALES DE SONIDO (SP20120614)
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Rubén Picó Vila

Nº of researchers: 7

Funding entity or bodies:

UNIVERSIDAD POLITECNICA DE VALENCIA

Start date: 31/12/2012

Duration: 1 year

Total amount: 6.000 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Constanza Rubio Michavila; Daniel Tarrazó Serrano; Oleg V. Minin; Antonio Uris Martínez; Igor V. Minin. Acoustical hooks: A new subwavelength self-bending beam. Results in Physics. 16, pp. 1 - 5. 2020. ISSN 2211-3797. DOI: 10.1016/j.rinp.2019.102921
Type of production: Scientific paper **Format:** Journal
- 2** Sergio Pérez López; José Miguel Fuster Escuder; Pilar Candelas Valiente; Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Constanza Rubio Michavila. Bifocal Ultrasound Focusing Using Bi-Fresnel Zone Plate Lenses. Sensors. 20, pp. 1 - 9. 2020. ISSN 1424-8220. DOI: 10.3390/s20030705
Type of production: Scientific paper **Format:** Journal
- 3** Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; Antonio Uris Martínez; Constanza Rubio Michavila; Oleg V. Minin; Igor V. Minin. Cylindrical 3D printed configurable ultrasonic lens for subwavelength focusing enhancement. Scientific Reports. 10, pp. 20279-1 - 20279-8. 2020. ISSN 2045-2322. DOI: doi.org/10.1038/s41598-020-77165-0
Type of production: Scientific paper **Format:** Journal
- 4** Sergio Pérez López; Daniel Tarrazó Serrano; Dmitry O. Dolmatov; Constanza Rubio Michavila; Pilar Candelas Valiente. Transient Analysis of Fresnel Zone Plates for Ultrasound Focusing Applications. Sensors. 20, pp. 68241 - 68249. 2020. ISSN 1424-8220. DOI: 10.3390/s20236824
Type of production: Scientific paper **Format:** Journal
- 5** Daniel Tarrazó Serrano; Constanza Rubio Michavila; Oleg V. Minin; Antonio Uris Martínez; Igor V. Minin. Ultrasonic focusing with mesoscale polymer cuboid. Ultrasonics. 106, pp. 1 - 5. 2020. ISSN 0041-624X. DOI: 10.1016/j.ultras.2020.106143
Type of production: Scientific paper **Format:** Journal
- 6** Daniel Tarrazó Serrano; Sergio Pérez López; Pilar Candelas Valiente; Antonio Uris Martínez; Constanza Rubio Michavila. Acoustic Focusing Enhancement In Fresnel Zone Plate Lenses. Scientific Reports. 9, pp. 1 - 10. 2019. ISSN 2045-2322. DOI: 10.1038/s41598-019-43495-x
Type of production: Scientific paper **Format:** Journal
- 7** Dmitry O. Dolmatov; Daniel Tarrazó Serrano; German A. Filippov; Igor V. Minin; Oleg V. Minin; Dmitry A. Sednev. Application of Phase-Reversal Fresnel Zone Plates for Improving The Elevation Resolution in Ultrasonic Testing with Phased Arrays. Sensors. 19, pp. 1 - 13. 2019. ISSN 1424-8220. DOI: 10.3390/s19235080
Type of production: Scientific paper **Format:** Journal



- 8** Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Oleg V. Minin; Pilar Candelas Valiente; Constanza Rubio Michavila; Igor V. Minin. Design of Acoustical Bessel-Like Beam Formation by a Pupil Masked Soret Zone Plate Lens. *Sensors*. 19, pp. 378-1 - 378-11. 2019. ISSN 1424-8220. DOI: 10.3390/s19020378
Type of production: Scientific paper **Format:** Journal
- 9** Constanza Rubio Michavila; Daniel Tarrazó Serrano; Oleg V. Minin; Antonio Uris Martínez; Igor V. Minin. Enhancement of pupil-masked wavelength-scale gas-filled flat acoustic lens based on anomaly apodization effect. *Physics Letters A*. 383, pp. 396 - 399. 2019. ISSN 0375-9601. DOI: 10.1016/j.physleta.2018.11.014
Type of production: Scientific paper **Format:** Journal
- 10** Daniel Tarrazó Serrano; Constanza Rubio Michavila; Oleg V. Minin; Pilar Candelas Valiente; Igor V. Minin. Manipulation of focal patterns in acoustic Soret type zone plate lens by using reference radius/phase effect. *Ultrasonics*. 91, pp. 237 - 241. 2019. ISSN 0041-624X. DOI: 10.1016/j.ultras.2018.07.022
Type of production: Scientific paper **Format:** Journal
- 11** Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Pilar Candelas Valiente; José Miguel Fuster Escuder; Constanza Rubio Michavila. Numerical simulation and laboratory measurements on the influence of fractal dimension on the acoustic beam modulation of a Polyadic Cantor Fractal lenses. *Applied Acoustics*. 148, pp. 119 - 122. 2019. ISSN 0003-682X. DOI: 10.1016/j.apacoust.2018.12.012
Type of production: Scientific paper **Format:** Journal
- 12** Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; Oleg V. Minin; Constanza Rubio Michavila; Igor V. Minin. Tunable depth of focus of acoustical pupil masked Soret Zone Plate. *Sensors and Actuators A Physical*. 286, pp. 183 - 187. 2019. ISSN 0924-4247. DOI: 10.1016/j.sna.2018.11.053
Type of production: Scientific paper **Format:** Journal
- 13** Constanza Rubio Michavila; Daniel Tarrazó Serrano; Oleg V. Minin; Antonio Uris Martínez; Igor V. Minin. WAVELENGTH-SCALE GAS-FILLED CUBOID ACOUSTIC LENS WITH DIFFRACTION LIMITED FOCUSING. *Results in Physics*. 12, pp. 1905 - 1908. 2019. ISSN 2211-3797. DOI: 10.1016/j.rinp.2019.02.011
Type of production: Scientific paper **Format:** Journal
- 14** Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; Pilar Candelas Valiente; Oleg V. Minin; Constanza Rubio Michavila; Igor V. Minin. 3D sound wave focusing by 2D internal periodic structure of 3D external cuboid shape. *Results in Physics*. 15, pp. 102582-1 - 102582-4. 2019. ISSN 2211-3797. DOI: 10.1016/j.rinp.2019.102582
Type of production: Scientific paper **Format:** Journal
- 15** Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Eugenio Sánchez Aparisi; Antonio Uris Martínez; Constanza Rubio Michavila. MRI Compatible Planar Material Acoustic Lenses. *Applied Sciences*. 8, pp. 2634-1 - 2634-9. 2018. ISSN 2076-3417. DOI: 10.3390/app8122634
Type of production: Scientific paper **Format:** Journal
- 16** Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; José Miguel Fuster Escuder; Pilar Candelas Valiente; Constanza Rubio Michavila. Polyadic Cantor Fractal Ultrasonic Lenses: Design and Characterization. *Applied Sciences*. 8, pp. 1389-1 - 1389-9. 2018. ISSN 2076-3417. DOI: 10.3390/app8081389
Type of production: Scientific paper **Format:** Journal
- 17** Constanza Rubio Michavila; Daniel Tarrazó Serrano; Oleg V. Minin; Antonio Uris Martínez; Igor V. Minin. Sound focusing of a wavelength-scale gas-filled flat lens. *EPL (Europhysics Letters)*. 123, pp. 64002-1 - 64002-4. 2018. ISSN 0295-5075. DOI: 10.1209/0295-5075/123/64002
Type of production: Scientific paper **Format:** Journal



- 18** Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Sergio Pérez López; Constanza Rubio Michavila. COMPARATIVA DE BOQUILLAS DE TROMPETA DE PLA Y DE METAL. DO-RE-CIM. 3, pp. 3-1 - 3-5. 2017. ISSN 2340-9258
Type of production: Scientific paper **Format:** Journal
- 19** Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; Constanza Rubio Michavila; Daniel Belloví Navarro. VARIACION DE LA CALIDAD TIMBRICA DE UN CLARINETE BAJO UTILIZANDO TUDELES DE DIFERENTE METAL. DO-RE-CIM. pp. 12 - 15. 2017. ISSN 2340-9258
Type of production: Scientific paper **Format:** Journal
- 20** Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; Constanza Rubio Michavila; Pilar Candelas Valiente; Antonio Uris Martínez. An Ultrasonic Lens Design Based on Prefractal Structures. Symmetry (Basel). 8, pp. 1 - 7. 2016. ISSN 2073-8994. DOI: 10.3390/sym8040028
Type of production: Scientific paper **Format:** Journal
- 21** Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Constanza Rubio Michavila; Antonio Uris Martínez. RELACIÓN ENTRE FRECUENCIA Y LONGITUD DEL TUBO EN EL TROMBÓN DE VARAS. DO-RE-CIM. pp. 12 - 15. 2015. ISSN 2340-9258
Type of production: Scientific paper **Format:** Journal
- 22** Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; José Miguel Fuster Escuder; Pilar Candelas Valiente; Constanza Rubio Michavila. Polyadic Cantor Fractals: Characterization, Generation, and Application as Ultrasonic Lenses. Fractal Analysis - Applications in Health Sciences and Social Sciences. 4, pp. 87 - 107. InTech, 2017. ISBN 978-953-51-3213-4
Type of production: Book chapter **Format:** Book

Works submitted to national or international conferences

- 1** **Title of the work:** Reference radius in Fresnel Zone Plates to control ultrasound beamforming
Name of the conference: International Congress on Ultrasonics (ICU 2019)
City of event: Bruges, Belgium,
Date of event: 06/09/2019
Constanza Rubio Michavila; Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Oleg V. Minin; Pilar Candelas Valiente; Igor V. Minin. "2019 International Congress on Ultrasonics". pp. 1 - 6. Acoustical Society of America,
- 2** **Title of the work:** Use of 3D printed Polylactic Acid (PLA) for research in biocompatible acoustic systems
Name of the conference: ChemPlastExpo. Congreso Europeo de Ingeniería del Plástico
City of event: Madrid, Spain,
Date of event: 08/11/2018
Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Antonio Uris Martínez; Constanza Rubio Michavila. pp. null - null.
- 3** **Title of the work:** ANÁLISIS DEL EFECTO DE LOS TRANSDUCTORES TIPO PISTÓN SOBRE LA FOCALIZACIÓN DE LAS LENTES DE FRESNEL
Name of the conference: TECNIACUSTICA 2018. XI Congreso Iberoamericano de Acústica. X Congreso Ibérico de Acústica. 49º Congreso Español de Acústica
City of event: Cádiz, Spain,
Date of event: 24/10/2018
Sergio Pérez López; Daniel Tarrazó Serrano; José Miguel Fuster Escuder; Pilar Candelas Valiente; Constanza Rubio Michavila. "TECNIACUSTICA 2018". pp. 1548 - 1556. Sociedad Española de Acústica,



- 4** **Title of the work:** COMPARATIVA DE LENTES DE FRESNEL MRI COMPATIBLES CONSTRUIDAS EN ÁCIDO POLILÁCTICO
Name of the conference: TECNIACUSTICA 2018. XI Congreso Iberoamericano de Acústica. X Congreso Ibérico de Acústica. 49º Congreso Español de Acústica
City of event: Cádiz, Spain,
Date of event: 24/10/2018
Daniel Tarrazó Serrano; Sergio Pérez López; Sergio Castiñeira Ibáñez; Pilar Candelas Valiente; Constanza Rubio Michavila. "TECNIACUSTICA 2018". pp. 868 - 875. Sociedad Española de Acústica,
- 5** **Title of the work:** EMPLEO DE LENTES FRACTALES BASADAS EN SECUENCIAS BINARIAS DE CANTOR PARA FOCALIZACIÓN DE ULTRASONIDOS
Name of the conference: TECNIACUSTICA 2018. XI Congreso Iberoamericano de Acústica. X Congreso Ibérico de Acústica. 49º Congreso Español de Acústica
City of event: Cádiz, Spain,
Date of event: 24/10/2018
Sergio Pérez López; Daniel Tarrazó Serrano; José Miguel Fuster Escuder; Pilar Candelas Valiente; Constanza Rubio Michavila. "TECNIACUSTICA 2018". pp. 1565 - 1572. Sociedad Española de Acústica,
- 6** **Title of the work:** VALORACIÓN DEL GRADO DE MOLESTIA EN OFICINAS
Name of the conference: TECNIACUSTICA 2018. XI Congreso Iberoamericano de Acústica. X Congreso Ibérico de Acústica. 49º Congreso Español de Acústica
City of event: Cádiz, Spain,
Date of event: 24/10/2018
Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; Constanza Rubio Michavila; Antonio Uris Martínez. "TECNIACUSTICA 2018". pp. 324 - 331. Sociedad Española de Acústica,
- 7** **Title of the work:** FZP Design Considering Spherical Wave Incidence
Name of the conference: 20th International Conference on Ultrasonics
City of event: Paris, France,
Date of event: 26/06/2018
Sergio Pérez López; Daniel Tarrazó Serrano; José Miguel Fuster Escuder; Pilar Candelas Valiente; Constanza Rubio Michavila. "World Academy of Science, Engineering and Technology. Proceedings". pp. 3316 - 3320. World Academy of Science, Engineering and Technology (WASET),
- 8** **Title of the work:** MRI Compatible Fresnel Zone Plates Made of Polylactic Acid
Name of the conference: 20th International Conference on Ultrasonics
City of event: Paris, France,
Date of event: 26/06/2018
Daniel Tarrazó Serrano; Sergio Pérez López; Sergio Castiñeira Ibáñez; Pilar Candelas Valiente; Constanza Rubio Michavila. "World Academy of Science, Engineering and Technology. Proceedings". pp. 3321 - 3325. World Academy of Science, Engineering and Technology (WASET),
- 9** **Title of the work:** Estudio comparativo de la calidad tímbrica de una trompeta utilizando boquillas clásicas de metal y de PLA impresas en 3D.
Name of the conference: TECNIACUSTICA 2017. 48º Congreso Español de Acústica. Encuentro Ibérico de Acústica. European Symposium on Underwater Acoustics Applications. European Symposium on Sustainable Building Acoustics
City of event: A Coruña, Spain,
Date of event: 06/10/2017
Daniel Tarrazó Serrano; Sergio Castiñeira Ibáñez; Constanza Rubio Michavila; Eugenio Sánchez Aparisi. "Tecnicaústica". pp. 1130 - 1137. Sociedad Española de Acústica,



- 10 Title of the work:** Generación de lentes ultrasónicas mediante fractales de Cantor poliádicos
Name of the conference: TECNIACUSTICA 2017. 48º Congreso Español de Acústica. Encuentro Ibérico de Acústica. European Symposium on Underwater Acoustics Applications. European Symposium on Sustainable Building Acoustics
City of event: A Coruña, Spain,
Date of event: 06/10/2017
Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; Pilar Candelas Valiente; José Miguel Fuster Escuder; Constanza Rubio Michavila. "Tecniacústica". pp. 1321 - 1328. Sociedad Española de Acústica,
- 11 Title of the work:** Sistema de posicionamiento y adquisición de datos de alta precisión para ultrasonidos en inmersión controlada
Name of the conference: TECNIACUSTICA 2017. 48º Congreso Español de Acústica. Encuentro Ibérico de Acústica. European Symposium on Underwater Acoustics Applications. European Symposium on Sustainable Building Acoustics
City of event: A Coruña, Spain,
Date of event: 06/10/2017
Daniel Tarrazó Serrano; Pilar Candelas Valiente; José Miguel Fuster Escuder; Sergio Pérez López. "Tecniacústica". pp. 1329 - 1336. Sociedad Española de Acústica,
- 12 Title of the work:** Design and characterization of ultrasonic lenses based on generalized Cantor sets
Name of the conference: 13th International Conference on Theoretical and Computational Acoustics (ICTCA 2017)
City of event: Vienna, Austria,
Date of event: 03/08/2017
Sergio Castiñeira Ibáñez; Pilar Candelas Valiente; José Miguel Fuster Escuder; Daniel Tarrazó Serrano; Constanza Rubio Michavila. "13th International Conference on Theoretical and Computational Acoustics, ICTCA 2017. Book of Abstracts". pp. 77 - 77. TU Vienna,
- 13 Title of the work:** Analysis and design of Fresnel zone plates with multiple foci
Name of the conference: 173rd Meeting of the Acoustical Society of America and the 8th Forum Acusticum
City of event: Boston, USA,
Date of event: 29/06/2017
Pilar Candelas Valiente; José Miguel Fuster Escuder; Constanza Rubio Michavila; Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano. "The Journal of the Acoustical Society of America". pp. 3958 - 3958. AIP Publishing LLC,
- 14 Title of the work:** Frequency dependence of Fresnel zone plates focus
Name of the conference: 173rd Meeting of the Acoustical Society of America and the 8th Forum Acusticum
City of event: Boston, USA,
Date of event: 29/06/2017
José Miguel Fuster Escuder; Pilar Candelas Valiente; Constanza Rubio Michavila; Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano. "The Journal of the Acoustical Society of America". pp. 3959 - 3959. AIP Publishing LLC,
- 15 Title of the work:** Ultrasonic acoustic beam modulation in water by pre-fractal geometries
Name of the conference: 2nd International Conference on Sensors Engineering and Electronics Instrumental Advances (SEIA' 2016)
City of event: Barcelona, Castelldefels, Spain,
Date of event: 23/09/2016
Juan Carlos Melgarejo Lermas; Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; Constanza Rubio Michavila; Pilar Candelas Valiente; Antonio Uris Martínez. "Proceedings of the 2nd International Conference on Sensors and Electronic Instrumentation Advances". pp. 142 - 143. International Frequency Sensor Association (IFSA) Publishing, S. L.,

**16 Title of the work:** USO DE GEOMETRÍAS FRACTALES PARA EL DISEÑO DE LENTES ULTRASÓNICAS**Name of the conference:** EAA EuroRegio 2016. Jointly with 9º Iberian Congress and the 47th Spanish Congress on Acoustics TECNIACUSTICA® 2016**City of event:** Porto, Portugal,**Date of event:** 15/06/2016

Sergio Castiñeira Ibáñez; Daniel Tarrazó Serrano; Constanza Rubio Michavila; Antonio Uris Martínez. "EuroRegio 2016". pp. 1231 - 1238. Universidade do Porto,

17 Title of the work: Focalización de ondas acústicas mediante una lente formada por dispersores toroidales rígidos.**Name of the conference:** XXXIV Reunión Bienal de la Real Sociedad Española de Física**City of event:** Valencia,**Date of event:** 19/07/2013

Daniel Tarrazó Serrano; Rubén Picó Vila; Vicente Romero García; Alejandro Cebrecos Ruiz; Noe Jimenez Gonzalez; Víctor José Sánchez Morcillo; Luis Miguel García Raffi; Juan Vicente Sánchez Pérez. "XXXIV Reunión Bienal de la Real Sociedad Española de Física". pp. 4 - 6. Real Sociedad Española de Física,

Other achievements

Stays in public or private R&D centres

Entity: School of Non-Destructive Testing and Security - National Research Tomsk Polytechnic University**City of entity:** Tomsk, Russia**Start date:** 01/04/2019**Type of entity:** University**Duration:** 3 months

Periods of research activity

Nº of recognized periods: 0**Certifying entity:** Comisión Nacional Evaluadora de la Actividad Investigadora (CNEAI)