

**PUBLICACIONES DERIVADAS DE LAS TESIS DEFENDIDAS EN EL PROGRAMA DE
DOCTORADO EN “SISTEMAS ELECTRÓNICOS AVANZADOS. SISTEMAS
INTELIGENTES” EN EL AÑO 2018**

Doctorando	Fernández Cruza, Jorge
Fecha depósito	27/10/2017
<p>Artículos en revistas internacionales:</p> <p>J. Quirce; L. Svilainis; J. Camacho; T. Gómez Álvarez-Arenas. Ferroelectret Ultrasonic Transducers for Pulse-Echo Water Immersion. Applied Sciences. 10 - 24, pp. 8771. MDPI, 08/12/2020. ISSN 2076-3417 DOI: https://doi.org/10.3390/app10248771. Impact index in year of publication: 2.679 (Q2)</p> <p>J. F. Cruza; J. Camacho; R. Mateos; C. Fritsch. A new beamforming method and hardware architecture for real time two way dynamic depth focusing. Ultrasonics. 99, Elsevier, 07/2019. ISSN 0041-624X DOI: https://doi.org/10.1016/j.ultras.2019.105965. Impact index in year of publication: 2.598 (Q1)</p> <p>T. Gómez Álvarez-Arenas; J. Camacho. Air-Coupled and Resonant Pulse-Echo Ultrasonic Technique. Sensors. 19- 10, pp. 1 - 18. MDPI, 14/05/2019. ISSN 1424-8220 DOI: 10.3390/s19102221. Impact index in year of publication: 2.475 (Q2)</p> <p>J. Brizuela; J. Camacho; G. Cosarinsky; J.M. Iriarte; J.F. Cruza. Improving elevation resolution in phased-array inspections for NDT. NDT & E International. 101, pp. 1 - 16. Elsevier, 10/2018. ISSN 0963-8695 DOI: https://doi.org/10.1016/j.ndteint.2018.09.002. Impact index in year of publication: 2.781 (Q1)</p> <p>J. Camacho; D. Atehortua; J.F. Cruza; J. Brizuela; J.Ealo. Ultrasonic crack evaluation by phase coherence processing and TFM and its application to online monitoring in fatigue tests. NDT & E International. 93, pp. 164 -174. Elsevier, 01/2018. ISSN 0963-8695. DOI: https://doi.org/10.1016/j.ndteint.2017.10.007 Impact index in year of publication: 2.781 (Q1)</p> <p>J.F. Cruza; J. Camacho; C. Fritsch. Plane-wave phase-coherence imaging for NDE. NDT & E International. 87, pp. 31 - 37. Elsevier, 04/2017. ISSN 0963-8695 DOI: https://doi.org/10.1016/j.ndteint.2017.01.005. Impact index in year of publication: 2.726 (Q1)</p>	

Congresos internacionales:

Miniaturized sector array with additive-manufactured mirror for low diameter pipe inspection
International Congress on Ultrasonics. Type of participation: Participatory - oral
communication. Corresponding author: Yes. City of event: Bruges, Belgium Date of event:
03/09/2019 End date: 06/09/2019. J. Camacho; G. Ortiz; J. Quirce; A. Martin Ginel; T. Gomez
Álvarez-Arenas. "Proc. of Meetings on Acoustics". DOI: <https://doi.org/10.1121/2.0001179>

Phase Coherence Imaging: Principles, applications and current developments Name of the
conference: International Congress on Ultrasonics (ICU) Type of participation: Participatory -
invited/keynote talk Corresponding author: Yes City of event: Brujas, Belgium
Date of event: 03/09/2019 End date: 06/09/2019 J. Camacho; C. Fritsch; J.F. Cruza; M. Parrilla.
"Proceedings of Meetings on Acoustics". DOI: 10.1121/2.0001201

Advanced Ultrasonic Methods – Total Focusing Method/Full Matrix Capture Name of the
conference: Cross Cutting Nondestructive Evaluation (NDE) Technology Innovation
Workshop Type of participation: Participatory - invited/keynote talk City of event: Charlotte,
United States of America Date of event: 16/04/2019 End date: 17/04/2019 Organising entity:
Electric Power Research Institute (EPRI) Type of entity: R&D Centre J. Camacho.

AIR-COUPLED ULTRASOUND INSPECTION OF COMPLEX ALUMINIUM-CFRP COMPONENTS Name of
the conference: 2016 IEEE International Ultrasonics Symposium (IUS2016) Type of
participation: 'Participatory – poster City of event: Tours, France Date of event: 18/09/2016
End date: 21/09/2016. Type of contribution: Book chapter J. Brizuela; J. Camacho; T.G. Alvarez-
Arenas; J. F. Cruza; E. Poodts. En: 2016 IEEE International Ultrasonics Symposium (IUS2016).
11/2016. ISBN 978-1-4673-9897-8 DOI: 10.1109/ULTSYM.2016.7728680

TOTAL FOCUSING PHASED ARRAY Name of the conference: 2016 IEEE International Ultrasonics
Symposium (IUS2016) Type of event: Conference Type of participation: Participatory - oral
communication Corresponding author: No City of event: Tours, France Date of event:
18/09/2016 End date: 21/09/2016 Type of contribution: Book chapter J. F. Cruza; J. Camacho; J.
M. Moreno. En: 2016 IEEE International Ultrasonics Symposium (IUS2016). 11/2016. ISBN 978-
1-4673-9897-8 DOI: 10.1109/ULTSYM.2016.7728610

ULTRASONIC TECHNIQUES FOR THE DETECTION OF DISCONTINUITIES IN ALUMINUM FOAMS
43th Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE), Atlanta,
United States of America. Date of event: 17/07/2016 End date: 22/07/2016. Type of
contribution: Book chapter. Pablo Katchadjian; Alejandro García; Jose Brizuela; Jorge Camacho;
Bruno Chiné; Valerio Mussi..En: AIP Conference Proceedings. DOI: 10.1063/1.4974662

Doctorando	Rizzelli Martella, Giuseppe
Fecha lectura	1/02/2018
Artículos en revistas internacionales	
<ol style="list-style-type: none"> 1. P. Rosa, G. Rizzelli, M. Tan, P. Harper and J. D. Ania-Castañón, Charact. of random DFB Raman laser amplifier for WDM transmission, <i>Optics Express</i> 23 (22), pp. 28634-28639 (2015). (Q1) 2. Pawel Rosa, Son Thai Le, Giuseppe Rizzelli, Mingming Tan, and Juan Diego Ania-Castañón, Signal power asymmetry optimisation for optical phase conjugation using Raman amplification, <i>Optics Express</i> 23 (25), pp. 31772-31778 (2015). (Q1) 3. Giuseppe Rizzelli, Md Asif Iqbal, Francesca Gallazzi, Pawel Rosa, Mingming Tan, Juan Diego Ania-Castañón, Lukasz Krzaczanowicz, Pedro Corredera, Ian Phillips, Wladek Forysiak, and Paul Harper, Impact of input FBG reflectivity and forward pump power on RIN transfer in ultralong Raman laser amplifiers, <i>Optics Express</i> 24 (25), pp. 29170-29175 (2016). (Q1) 4. Pawel Rosa, Giuseppe Rizzelli, and Juan Diego Ania-Castañón, Link optimization for DWDM transm. with an optical phase conjugation, <i>Optics Express</i> 24 (15), pp. 16450-16455 (2016). (Q1) 5. Francesca Gallazzi, Giuseppe Rizzelli, Md Iqbal, Mingming Tan, Paul Harper and Juan Diego Ania-Castañón, Performance optimization in Ultra-long Raman Laser Amplified 10x30 GBaud DP-QPSK Transmission: Balancing RIN and ASE Noise, <i>Optics Express</i> 25 (18), pp. 21454-21459 (2017). (Q1) 6. Javier Nuño, Giuseppe Rizzelli, Francesca Gallazzi, Francisco Prieto, Concepción Pulido, Pedro Corredera, Stefan Wabnitz, and Juan Diego Ania Castañón, Open-Cavity Spun Fiber Raman Lasers with Dual Polarization Output, <i>Scientific Reports</i> 7 (1), pp. 13681 (2017). (Q1) 7. Giuseppe Rizzelli, Pawel Rosa, Pedro Corredera, and Juan Diego Ania-Castañón, Transmission Span Optimization in Fiber Systems With Cavity and Random Distributed Feedback Ultralong Raman Laser Amplification, <i>J. of Lightwave Technology</i> 35 (22), pp. 4967-4972 (2017). (Q1) 	
Contribuciones a congresos	
<ol style="list-style-type: none"> 1. G. Rizzelli, M. Camarasa-Gómez, D. Hernangómez-Pérez, and J. D. Ania-Castañón, Multi-level Approach to the Optimization of Unrepeated WDM Systems with Distributed Amplification, in <i>European Conference on Lasers and Electro-Optics – European Quantum Electronics Conference (CLEO-EU 2015)</i>. 2. Pawel Rosa, Giuseppe Rizzelli and J.D. Ania-Castañón, Symmetry Optimisation for Optical Phase Conjugation in Raman-Amplified Communication Systems, in <i>IX Reunión Española de Optoelectrónica (OPTOEL 2015)</i>. 3. P. Rosa, G. Rizzelli, and J. D. Ania-Castañón, Signal Power Symmetry Optimization for Optical Phase Conjugation Using Raman Amplification, in <i>Nonlinear Optics (NLO 2015)</i>. 4. P. Rosa, G. Rizzelli, M. Tan and J. D. Ania-Castañón, Optimisation of random DFB Raman laser amplifier, in <i>17th International Conference on Transparent Optical Networks (ICTON 2015)</i>. 	

5. Rosa, Pawel; Le, Son Thai; **Rizzelli, Giuseppe**; Tan, Mingming; Ania-Castañón, Juan Diego, Signal power asymmetry optimisation for optical phase conjugation using random DFB laser Raman amplification, in Asia Communications and Photonics Conference (ACP 2015).
6. **Giuseppe Rizzelli**, Md Asif Iqbal, Francesca Gallazzi, Pawel Rosa, Mingming Tan, Pedro Corredera, Juan Diego Ania-Castañón and Paul Harper, FBG Reflectivity Impact on RIN in Ultralong Laser Amplifiers, in 42nd European Conference on Optical Communic. (ECOC 2016).
7. M. A. Iqbal, **G. Rizzelli**, F. Gallazzi, Mingming Tan, P. Harper and J. D. Ania-Castañón, Performance improvement of broadband distributed Raman amplifier using bidirectional pumping with first and dual order forward pumps, in 18th International Conference on Transparent Optical Networks (ICTON 2016).
8. P. Rosa, **G. Rizzelli** and J. D. Ania-Castañón, Link optimisation for DWDM transmission with an optical phase conjugation, in 18th Int. Conf. on Transparent Optical Networks (ICTON 2016).
9. J. D. Ania-Castañón, P. Rosa, **G. Rizzelli**, F. Gallazzi, J. Nuño and P. Corredera, The role of distributed Raman amplification in the times of the “capacity crunch” (Invited), in 18th International Conference on Transparent Optical Networks (ICTON 2016).
10. **G. Rizzelli**, M. A. Iqbal, P. Rosa, M. Tan, L. Krzczanowicz, I. Phillips, W. Forysiak, J. D. Ania-Castañón, and P. Harper, Impact of Front-FBG Reflectivity in Raman Fiber Laser Based Amplification, in Conference on Lasers and Electro-Optics (CLEO-US 2016).
11. J. Nuño del Campo, **G. Rizzelli**, F. Gallazzi, F. Prieto, M. C. Pulido-De-Torres, P. Corredera, S.Wabnitz, and J. D. Ania-Castañón, Open-Cavity Spun Fiber Raman Lasers with a Polarized Output, in Conference on Lasers and Electro-Optics (CLEO-US 2016).
12. M. A. Iqbal, M. Tan, L. Krzczanowicz, **G. Rizzelli**, F. Gallazzi, A. El-Taher, W. Forysiak, P. Harper, and J. D. Ania-Castañón, Noise Performance Improvement of Broadband Distributed Raman Amplifier Using Dual Order Bidirectional Pumping, in Asia Comm. and Photonics Conf. (ACP'16).
13. Juan Diego Ania-Castañón, Pawel Rosa, and **Giuseppe Rizzelli**, Raman-amplified DWDM Transmission in Links with Symmetry-optimised Optical Phase Conjugation (Invited), in Progress in Electromagnetics Research Symposium (PIERS 2017).
14. Francesca Gallazzi, **Giuseppe Rizzelli**, Md Asif Iqbal, Mingming Tan, Paul Harper, J.D. Ania-Castañón, Optimal Balance of RIN and ASE Impairments in Ultra-long Raman Laser Amplified 10x30 GBaud DP-QPSK Transmission, in European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference (CLEO-EU 2017).
15. **Giuseppe Rizzelli**, Pawel Rosa, Pedro Corredera Guillén and Juan Diego Ania-Castañón, Cell Optimisation for Transmission with Ultralong Laser Amplification, in European Conference on Lasers and Electro-Optics - European Quantum Electronics Conference (CLEO-EU 2017).
16. Francesca Gallazzi, **Giuseppe Rizzelli**, Md Asif Iqbal, Mingming Tan, Paul Harper, and Juan Diego Ania-Castañón, Balancing RIN and ASE Noise in Ultra-long Raman Laser Amplified 10x30 GBaud DP-QPSK Transmission, in X Reunión Española de Optoelectrónica (OPTOEL 2017).
17. **Giuseppe Rizzelli**, Pawel Rosa, Pedro Corredera Guillén and Juan Diego Ania-Castañón, Periodic Cell Optimization in Long-Haul Transmission with Ultralong Cavity and Random Raman Laser Amplification, in X Reunión Española de Optoelectrónica (OPTOEL 2017).

Doctorando	Miyadaira , Alberto Noboru
Fecha lectura	14/11/2017
<p>Artículos en revistas internacionales:</p> <p>Miyadaira, A. N., Madrid, M. K., Garcia, J. C., Gualda, D., & Delai, A. L. (2018). Squat vertical jump of a 3DOF robot leg over an inclined plane: Analysis with joint torque profile approximation. <i>IEEE Latin America Transactions</i>, 16(1), 80-87. ISSN: 1548-0992. Indicios de calidad: JCR, IF=0,804, posición 227 de 266, Q4, en "Engineering, Electrical & Electronic".</p> <p>Miyadaira, A. N., & Madrid, M. K. (2016). Robot's Weight Distribution Influence on Angular Momentum Produced by a Standing Vertical Jump. <i>IEEE Latin America Transactions</i>, 14(4), 1669-1676. ISSN: 1548-0992. Indicios de calidad: JCR, IF=0,631, posición 222 de 266, Q4, en "Engineering, Electrical & Electronic".</p> <p>Delai, A. L., Miyadaira, A. N., & Lima, T. C. (2019). AMASP (ASCII master slave protocol): a lightweight MODBUS based customizable communication protocol for general applications. <i>Journal of Communication and Information Systems</i>, 34(1), 1-11. ISSN: 1980-6604. Indicios de calidad: Exaly.com, IF=1,4, posición 677 de 1026, Q3, en "Computer Science".</p>	

Doctorando	López Gil, Alexia Inés
Fecha lectura	16/11/2017
<p>Artículos en revistas internacionales:</p> <p>Alejandro Dominguez-Lopez, Alexia Lopez-Gil, Sonia Martín-López, and Miguel Gonzalez-Herraez Title: Strong Cancellation of RIN Transfer in a Raman-Assisted BOTDA Using Balanced Detection <i>IEEE PHOTONICS TECHNOLOGY LETTERS</i>, VOL.26, NO.18, SEPTEMBER 15, 2014 DOI: 10.1109/LPT.2014.2336699. Calidad: JCR, Impact Factor: 2.11. Área: ENGINEERING, ELECTRICAL & ELECTRONIC Cuartil: Q1 Posición en el área: 56/249.</p> <p>Lopez-Gil, A. Dominguez-Lopez, A. Martin-Lopez, S. Gonzalez-Herraez, M. "Simple method for the elimination of polarization noise in BOTDA using balanced detection and orthogonal probe sidebands". <i>Journal of Lightwave Technology</i>, ISSN: 0733-8724, Año de publicación: 2015 Volumen: 33 Número: 12 Páginas: 2605-2610 DOI:10.1109/JLT.2014.2382177 Calidad: JCR, Impact Factor: 2.567, Cuartil mayor: Q1, Área: ENGINEERING, ELECTRICAL & ELECTRONIC, Posición en el área: 38/257.</p> <p>Lopez-Gil, A. Angulo-Vinuesa, X. Dominguez-Lopez, A. Martin-Lopez, S., Gonzalez-Herraez, M. Title: Simple Baseband Method for the Distributed Analysis of Brillouin Phase-Shift Spectra, <i>IEEE Photonics Technology Letters</i>, ISSN: 1041-1135, Año de publicación: 2016 Volumen: 28 Número: 13 Páginas: 1379-1382 DOI: 10.1109/LPT.2016.2541699. JCR, Impact Factor: 2.375 ENGINEERING, ELECTRICAL & ELECTRONIC Cuartil: Q2 Posición en el área: 95/262</p> <p>Dominguez-Lopez, A. Lopez-Gil, A. Martin-Lopez, S., Gonzalez-Herraez, M. "Signal-to-noise ratio improvement in BOTDA using balanced detection". <i>EEE Photonics Technology Letters</i> ISSN: 1041-1135 Año de publicación: 2014. Volumen: 26 Número: 4 Páginas: 338-341. DOI: 10.1109/LPT.2013.2293603 Calidad: JCR, Impact Factor: 2.11 Área: ENGINEERING, ELECTRICAL & ELECTRONIC Cuartil: Q1 Posición en el área: 56/249</p> <p>López-Gil, A., Martin-Lopez, S. Gonzalez-Herraez, M. "Phase-measuring time-gated BOCDA". <i>Optics Letters</i> ISSN: 1539-4794 Año de publicación: 2017 Volumen: 42 Número: 19 Páginas: 3924-3927 DOI: 10.1364/OL.42.003924. Calidad: JCR, Impact Factor: 3.589 Área: OPTICS Cuartil: Q1 Posición en el área: 14/94</p> <p>Dominguez-Lopez, A. Angulo-Vinuesa, X. Lopez-Gil, A. Martin-Lopez, S. Gonzalez-Herraez, M. Title: Non-local effects in dual-probe-sideband Brillouin optical time domain analysis. <i>Optics Express</i> ISSN: 1094-4087 Año de publicación: 2015 Volumen: 23. Número: 8 Páginas: 10341-10352 DOI: 10.1364/OE.23.010341. JCR, Impact Factor: 3.148 OPTICS Cuartil: Q1 Posición en el área: 14/90</p>	

Angulo-Vinuesa, X. Dominguez-Lopez, A. **Lopez-Gil, A.** Ania-Castañón, J.D. Martin-Lopez, S. Gonzalez-Herraez, M. "Limits of BOTDA Range Extension Techniques", IEEE Sensors Journal, ISSN: 1530-437X Año de publicación: 2016 Volumen: 16 Número: 10 Páginas: 3387-3395 DOI: 10.1109/JSEN.2015.2424293
Calidad: JCR, Impact Factor: 2.512 INSTRUMENTS & INSTRUMENTATION Cuartil: Q1 Posición en el área: 12/58

Lopez-Gil, A. Angulo-Vinuesa, X. Dominguez-Lopez, A. Martin-Lopez, S. Gonzalez-Herraez, M.
Title: Exploiting nonreciprocity in BOTDA systems. Optics Letters ISSN: 1539-4794 Año de publicación: 2015 Volumen: 40 Número: 10 Páginas: 2193-2196 DOI: 10.1364/OL.40.002193
Calidad: JCR, Impact Factor: 3.04 Área: OPTICS Cuartil: Q1 Posición en el área: 15/90

Lopez-Gil, A. Soto, M.A. Angulo-Vinuesa, X. Dominguez-Lopez, A. Martin-Lopez, S. Thévenaz, L. Gonzalez-Herraez, M. Title: Evaluation of the accuracy of BOTDA systems based on the phase spectral response Optics Express ISSN: 1094-4087, 2016 Vol: 24 Núm: 15 Páginas: 17200-17214 DOI: 10.1364/OE.24.017200. JCR, Impact Factor: 3.307 OPTICS Cuartil: Q1 Posición en el área: 17/92

Ribeiro, J. Viveiros, D. Ferreira, J. **Lopez-Gil, A.** Dominguez-Lopez, A. Martins, H.F. Perez-Herrera, R. Lopez-Aldaba, A. Duarte, L. Pinto, A. Martin-Lopez, S. Baierl, H. Jamier, R. Rougier, S. Auguste, J.-L. Teodoro, A.C. Gonçalves, J.A. Esteban, O. Santos, J.L. Roy, P. Lopez-Amo, M. Gonzalez-Herraez, M. Baptista, J.M. Flores, D. "ECOAL project-Delivering Solutions for Integrated monitoring of coal-related fires supported on optical fiber sensing technology". Applied Sciences (Switzerland) ISSN: 2076-3417 Año de publicación: 2017 Volumen: 7 Número: 9 DOI: 10.3390/APP7090956. Calidad: JCR, Impact Factor: 1.689 PHYSICS, APPLIED Cuartil: Q3 Posición en el área: 77/146

Duarte, L. Teodoro, A.C., Gonçalves, J.A. Ribeiro, J. Flores, D. **Lopez-Gil, A.** Dominguez-Lopez, A. Angulo-Vinuesa, X. Martin-Lopez, S. Gonzalez-Herraez, M. Title: Distributed temperature measurement in a self-burning coal waste pile through a GIS open source desktop application. SPRS International Journal of Geo-Information. Año: 2017 Volumen: 6 Número: 3 DOI:10.3390/IJGI6030087. JCR, Impact Factor: 1.723 GEOGRAPHY, PHYSICAL Cuartil: Q3 Posición en el área: 33/49

Congresos internacionales:

- 1- **Alexia Lopez-Gil**, Alejandro Dominguez-Lopez, Sonia Martin-Lopez and Miguel Gonzalez-Herraez, "Simple method for the elimination of polarization noise in BOTDA using balanced detection of orthogonally polarized Stokes and anti-Stokes probe sidebands", Proc. of SPIE, vol. 9157, 91573U, 2014.
- 2- Alejandro Dominguez-Lopez, **Alexia Lopez-Gil**, Sonia Martin-Lopez and Miguel Gonzalez-Herraez, "Balanced detection in Brillouin optical time domain analysis", Proc. of SPIE, vol. 9157, 915765, 2014.
- 3- D. Viveiros, J. Ribeiro, J. P. Carvalho, J. Ferreira, A. M. R. Pinto, R. A. Perez-Herrera, S. Diaz, **A. Lopez-Gil**, A. Dominguez-Lopez, O. Esteban, H. F. Martins, S. Martin-Lopez, H. Baierl, J. L. Auguste, R. Jamier, S. Rougier, J. L. Santos, D. Flores, P. Roy, M. Gonzalez-Herraez, M. Lopez-Amo, J. M. Baptista, "Fiber optic sensing system for monitoring of coal waste piles in combustion", Proc. of SPIE, v. 9157, 915730, 2014.
- 4- Miguel Gonzalez-Herraez, Alejandro Dominguez-Lopez, **Alexia Lopez-Gil**, Hugo F. Martins, Sonia Martin-Lopez, Xabier Angulo-Vinuesa and Pedro Corredra, "Longrange static and dynamic distributed sensing", Proceedings of SPIE, pp. 150-153, 2014.
- 5- D. Viveiros, J. Ribeiro, J. Ferreira, A. M. R. Pinto, R. A. Perez-Herrera, S. Diaz, **A. Lopez-Gil**, A. Dominguez-Lopez, O. Esteban, H. F. Martins, S. Martin-Lopez, H. Baierl, J. L. Auguste, R. Jamier, S. Rougier, J. L. Santos, D. Flores, P. Roy, M. Gonzalez-Herraez, M. Lopez-Amo, J. M. Baptista, "Monitoring of coal waste piles with fiber optic sensing technology", Proceedings of IEEE, pp. 147-148, 2015.
- 6- **Alexia Lopez-Gil**, Alejandro Dominguez-Lopez, Xabier Angulo-Vinuesa, Sonia Martin-Lopez and Miguel Gonzalez-Herraez, "Simple BOTDA temperature sensor based on distributed Brillouin phase-shift measurements within a Sagnac interferometer", Proceedings of SPIE, vol. 9634, 96346L, 2015
- 7- X. Angulo-Vinuesa, **A. Lopez-Gil**, A. Dominguez-Lopez, J. L. Cruz, M. V. Andres, S. Martin-Lopez and M. Gonzalez-Herraez, "Simultaneous gain and phase profile determination on an interferometric BOTDA", Proceedings of SPIE, vol. 9634, 963419, 2015.
- 8- X. Angulo-Vinuesa, A. Dominguez-Lopez, **A. Lopez-Gil**, J. D. Ania-Castañon, S. Martin-Lopez and M. Gonzalez-Herraez, "Rating the limitations and effectiveness of BOTDA range extension techniques", Proceedings of SPIE, vol. 9634, 96346R, 2015.
- 9- Alejandro Dominguez-Lopez, Xabier Angulo-Vinuesa, **Alexia Lopez-Gil**, Sonia Martin-Lopez and Miguel Gonzalez-Herraez, "Unexpected non-local effects in dualprobe-sideband BOTDA", Proceedings of SPIE, vol. 9634, 963430, 2015.
- 10- D. Viveiros, J. Ribeiro, J. Ferreira, A. Lopez-Aldaba, A. M. R. Pinto, R. A. PerezHerrera, S. Diaz, **A. Lopez-Gil**, A. Dominguez-Lopez, O. Esteban, S. Martin-Lopez, J. L. Auguste, R. Jamier, S. Rougier, S. O. Silva, O. Frazao, J. L. Santos, D. Flores, P. Roy, M. Gonzalez-Herraez, M. Lopez-Amo, J. M. Baptista, "Fiber optic sensing system for temperature and gas monitoring in coal waste pile combustion environments", Proceedings of SPIE, vol. 9634, 96343Y, 2015
- 11- **Alexia Lopez-Gil**, Xabier Angulo-Vinuesa, Marcelo A. Soto, Alejandro DominguezLopez, Sonia Martin-Lopez, Luc Thevenaz and Miguel Gonzalez-Herraez, "Gain vs phase in BOTDA setups," Proceedings of SPIE, vol. 9916, 991631, 2016.
- 12- Marcelo A. Soto, Moshe Tur, **Alexia Lopez-Gil**, Miguel Gonzalez-Herraez and Luc Thevenaz, "Polarisation pulling in Brillouin optical time-domain analysers", Proceedings of SPIE, vol. 10323, 103239L, 2017.