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Contents

xi	<i>Authors</i>
xv	<i>Conference Committees</i>
xx	<i>Introduction</i>

THIRD INTERNATIONAL CONFERENCE ON APPLICATIONS OF OPTICS AND PHOTONICS

10453 02	Interchannel collisions of strong dispersion-managed solitons with different energies in the presence of higher-order effects [10453-2]
10453 03	Optical microtopographic inspection of asphalt pavement surfaces [10453-3]
10453 04	Spectrophotometric characterization of hemozoin as a malaria biomarker [10453-5]
10453 05	Low cost ellipsometer using a standard commercial polarimeter [10453-6]
10453 06	Generation of five phase-locked harmonics in the continuous wave regime and its potential application to arbitrary optical waveform synthesis [10453-7]
10453 07	Resonant tunneling diode photodetectors for optical communications [10453-9]
10453 08	Modelling of optoelectronic circuits based on resonant tunneling diodes [10453-10]
10453 09	Optical bias selector based on a multilayer α-SiC:H optical filter [10453-11]
10453 0A	Visible light communication and indoor positioning using α-SiCH device as receiver [10453-12]
10453 0B	Low-cost fused taper polymer optical fiber (LFT-POF) splitters for environmental and home-networking solution [10453-13]
10453 0C	Goos-Hänchen shift of Cosine-Gaussian Schell-model beams with rectangular symmetry [10453-19]
10453 0D	Simulation of localized surface plasmon in metallic nanoparticles embedded in amorphous silicon [10453-21]
10453 0E	Mode-locked semiconductor laser for long and absolute distance measurement based on laser pulse repetition frequency sweeping: a comparative study between three types of lasers [10453-22]
10453 0F	Erbium and ytterbium co-doped transparent oxyfluoride glass-ceramics optical fibers [10453-24]

- 10453 OG **Fabrication and characterization of a cell electrostimulator device combining physical vapor deposition and laser ablation (Best Student Paper)** [10453-25]
- 10453 OH **Indoors positioning through VLC technology using an α -SiC:H photodetector** [10453-26]
- 10453 OI **Critical discussion on the UV absorption properties of Earth's atmosphere** [10453-28]
- 10453 OJ **Energy transfer between silver clusters and europium Eu^{3+} ions in photo-thermo-refractive glasses** [10453-30]
- 10453 OK **Optical, colloidal and biological properties of up-converting nanoparticles embedded in polyester nanocarriers** [10453-32]
- 10453 OL **Indirect gonioscopy system for imaging iridocorneal angle of eye** [10453-35]
- 10453 OM **On the behavior of linear polarizers on highly focused radially polarized beams** [10453-39]
- 10453 ON **Laser based manufacturing of channels and improvement of their lifetime with sol-gel coatings** [10453-40]
- 10453 OO **Validation of a semi-automatic protocol for the assessment of the tear meniscus central area based on open-source software** [10453-41]
- 10453 OP **Ferrofluids with high dynamic ranges of optical transmission** [10453-43]
- 10453 OQ **Photonic integrated circuits for NG-EPON** [10453-48]
- 10453 OR **Special microstructured fibers with irregular and regular claddings for supercontinuum generation** [10453-49]
- 10453 OS **Modeling multicore integrated waveguides in highly doped glass** [10453-50]
- 10453 OT **Clinical performance of an objective methodology to categorize tear film lipid layer patterns** [10453-51]
- 10453 OU **Color-quality control using color-difference formulas: progress and problems (Invited Paper)** [10453-56]
- 10453 OV **Electromagnetic properties of a monolayer of polarisable particles deposited on graphene (Runner Up Best Student Paper)** [10453-59]
- 10453 OW **Quantification of the absorption of light in coals using fiber optic sensors** [10453-60]
- 10453 OX **Modeling of dynamics of nanosecond laser ablation in phase explosion regime** [10453-61]
- 10453 OY **Continual and molecular dynamics approaches in determining thermal properties of silicon** [10453-62]
- 10453 OZ **Electromagnetic simulation of amorphous silicon waveguides** [10453-63]
- 10453 IO **Wavemeter improvements for laser diode calibration (Invited Paper)** [10453-65]

- 10453 11 **Space-time refraction of light in time dependent media: the analogue within the analogue (Invited Paper)** [10453-66]
- 10453 12 **Surface enhanced Raman spectroscopy analysis of HeLa cells using a multilayer substrate** [10453-67]
- 10453 13 **Scattering, absorption and transmittance of experimental graphene dental nanocomposites** [10453-68]
- 10453 14 **The analogue quantum mechanical of plasmonic atoms** [10453-74]
- 10453 15 **Solving the multi-level Maxwell-Bloch equations using GPGPU computing for the simulation of nonlinear optics in atomic gases** [10453-77]
- 10453 16 **Doppler broadening effects in plasmonic quantum dots** [10453-78]
- 10453 17 **Development of a quantum particle in cell algorithm in GPU for solving Maxwell-Bloch equations** [10453-79]
- 10453 18 **Fast physical ray-tracing method for gravitational lensing using heterogeneous supercomputing in GPGPU** [10453-80]
- 10453 19 **Ultrasensitive detection of phenolic antioxidants by surface enhanced Raman spectroscopy** [10453-81]
- 10453 1A **Tunable light fluids using quantum atomic optical systems** [10453-84]
- 10453 1B **Pinching optical potentials for spatial nonlinearity management in Bose-Einstein condensates** [10453-85]
- 10453 1C **Dissipative solitons in 4-level atomic optical systems** [10453-86]
- 10453 1D **Wavefront coding for visual optics** [10453-87]
- 10453 1E **SPaCe-GEM: solver of the Einstein equations using GPUs under the gravitoelectromagnetic approximation** [10453-90]
- 10453 1F **The extended Kubelka-Munk theory and its application to colloidal systems** [10453-92]
- 10453 1G **Modelling metal-dielectric core-shell nanoparticles with effective medium theories** [10453-93]
- 10453 1H **Image encryption scheme based on computer generated holography and time-averaged moiré** [10453-94]
- 10453 1I **Effect of cooling water on ablation in Er:YAG laserosteotome of hard bone** [10453-95]
- 10453 1J **Mueller matrix imaging and analysis of cancerous cells** [10453-97]
- 10453 1K **Evaluation of FEL lamp seasoning behavior for use as a spectral irradiance standard** [10453-98]

- 10453 1L **Physical ray-tracing method for anisotropic optical media in GPGPU** [10453-99]
- 10453 1M **First approach on the Haar Transform applied with a 2 x 2 multimode interferometer** [10453-100]
- 10453 1N **Partially polarized pseudo-Schell model sources** [10453-102]
- 10453 1O **Studying tunability of some NIR semiconductor lasers by external cavity setup** [10453-103]
- 10453 1P **Interocular suppression** [10453-108]
- 10453 1Q **Optical quasi-distributed simultaneous vibration and temperature sensing in stator bars of a 370-MVA electric generator** [10453-110]
- 10453 1R **Refractive index sensitivity in etched FBG in the visible range** [10453-114]
- 10453 1S **Effect of laser pulse duration on ablation efficiency of hard bone in microseconds regime** [10453-115]
- 10453 1T **Towards the automatization of the Foucault knife-edge quantitative test** [10453-118]
- 10453 1U **Simulation of partially coherent light propagation using parallel computing devices** [10453-120]
- 10453 1V **Study of photo activation reaction of experimental graphene dental nanocomposites through dynamic laser speckle** [10453-123]
- 10453 1W **Variable structure and sliding modes nonlinear control system applied to a fiber optic interferometer** [10453-124]
- 10453 1X **A model for prediction of color change after tooth bleaching based on CIELAB color space** [10453-125]
- 10453 1Y **Finite element model for the simulation of laser activated micro- and nano-scale drug delivery systems** [10453-126]
- 10453 1Z **Short-length long period fiber grating for torsion sensing applications** [10453-127]
- 10453 20 **Spatio-temporal processing of ultra-short pulses with micro optics (Invited Paper)** [10453-129]
- 10453 21 **Fabry-Perot interferometer based on array of microspheres for temperature sensing (Invited Paper)** [10453-136]
- 10453 22 **Using DSLR cameras in digital holography** [10453-137]
- 10453 23 **Full Poincaré beams obtained by means of uniaxial crystals** [10453-140]
- 10453 24 **Simultaneous measurement of temperature and refractive index based on microfiber knot resonator integrated in an abrupt taper Mach-Zehnder interferometer** [10453-141]
- 10453 25 **Thermal sensitivity increase of RFBG in the visible range** [10453-142]

- 10453 26 **Strain sensor based on hollow microsphere Fabry-Perot cavity** [10453-144]
- 10453 27 **Dental resins properties studied by Bragg gratings (Invited Paper)** [10453-146]
- 10453 28 **Infrared light sensor applied to early detection of tooth decay** [10453-148]
- 10453 29 **Influence of a perturbation in the Gyration domain for a joint transform correlator-based encryption system** [10453-153]
- 10453 2A **The USC-OSA-EPSC section activities in optics** [10453-154]
- 10453 2B **Direct formation of nanostructures by focused electron beam on a surface of thin metallic films** [10453-156]
- 10453 2C **Rapid Eye Movements (REMs) and visual dream recall in both congenitally blind and sighted subjects (Invited Paper)** [10453-158]
- 10453 2D **Assessing the wavefront aberrations of the emmetropic eye after a reading task** [10453-161]
- 10453 2E **Strong coupling effects in hybrid plexitonic systems (Invited Paper)** [10453-163]
- 10453 2G **An exploratory study of temporal integration in the peripheral retina of myopes** [10453-171]
- 10453 2H **Organic semiconductor rubrene thin films deposited by pulsed laser evaporation of solidified solutions** [10453-176]
- 10453 2I **MIMO processing based on higher-order Poincaré spheres** [10453-177]
- 10453 2J **Optical properties of an anterior lamellar human cornea model based on fibrin-agarose** [10453-179]
- 10453 2K **2.05- μm Holmium-doped all-fiber continuous-wave laser at in-core diode-pumping at 1.125 μm** [10453-180]
- 10453 2L **Evaluating polarization diversity for speckle reduction in retinal image quality estimates** [10453-183]
- 10453 2M **Researching in biomaterials optics (Invited Paper)** [10453-186]
- 10453 2N **Modeling and possible implementation of self-learning equivalence-convolutional neural structures for auto-encoding-decoding and clusterization of images** [10453-187]
- 10453 2O **Photo-induced ultrasound microscopy for photo-acoustic imaging of non-absorbing specimens** [10453-189]
- 10453 2P **Electrical addressing and temporal tweezing of localized pulses in passively mode-locked semiconductor lasers (Invited Paper)** [10453-190]
- 10453 2Q **Resonant tunneling diode oscillators for optical communications** [10453-193]

- 10453 2R **White light spectral interferometer for measuring dispersion in the visible-near infrared** [10453-199]
- 10453 2S **Impact of different environmental conditions on lithium-ion batteries performance through the thermal monitoring with fiber sensors** [10453-200]
- 10453 2T **Phase contrast imaging of red blood cells using digital holographic interferometric microscope** [10453-202]
- 10453 2U **Fourier transform phase difference method optimization for supersonic gas flow characterization** [10453-203]
- 10453 2V **Fabry-Perot cavity based on air bubble for high sensitivity lateral load and strain measurements** [10453-204]
- 10453 2W **Polymer and tapered silica fiber connection for polymer fiber sensor application** [10453-205]
- 10453 2X **Onion cell imaging by using Talbot/self-imaging effect** [10453-208]
- 10453 2Y **Resonant tunnelling diode based high speed optoelectronic transmitters** [10453-209]
- 10453 2Z **THz metrology for active electronic devices: state of the art and challenges** [10453-211]
- 10453 30 **Effect of periodicity in the optimization of fine tuned dipolar plasmonic structures for SERS** [10453-213]
- 10453 31 **An advanced arrangement of the optical spectrograph based on acousto-optical and cross-disperser techniques for astronomical applications** [10453-217]
- 10453 32 **Analytical transient analysis of Peltier device for laser thermal tuning** [10453-221]
- 10453 33 **Wavelength tuning of polymer optical fibre Bragg grating at longer wavelengths permanently** [10453-224]
- 10453 34 **Novel multiband polarization beam splitter based on a dual-core transversally chirped microstructured optical fiber** [10453-229]
- 10453 35 **Electro-thermal effects in large area white-organic light emitting diodes** [10453-230]
- 10453 36 **Nonlinear joint transform correlator architectures for images encryption, decryption and authentication systems** [10453-236]
- 10453 37 **Design of low loss photonic crystal fiber based on porous-core with elliptical holes in THz regime** [10453-237]
- 10453 38 **Detection of low frequency, out-of-plane vibrations by the Talbot effect and adaptive photodetectors** [10453-238]

- 10453 39 **Multi-arm spectrometer for parallel frequency analysis of radio-wave signals oriented to astronomical observations** [10453-240]
- 10453 3A **Usage of CISS and Conlon surveys in eye accommodation studies** [10453-241]

Authors

Numbers in the index correspond to the last two digits of the seven-digit citation identifier (CID) article numbering system used in Proceedings of SPIE. The first five digits reflect the volume number. Base 36 numbering is employed for the last two digits and indicates the order of articles within the volume. Numbers start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B...0Z, followed by 10-1Z, 20-2Z, etc.

Abbasi, Hamed, 1I, 1O, 1S
Ab-Rahman, Mohammad Syuhaimi, 0B
Abreu, Manuel, 05, 0E
Acosta, E., 1D
Afseth, N., 19
Agarwal, Shilpi, 2X
Aguilar-Hernández, I. A., 12, 19
Aizpurua, Javier, 2E
Alaminos, Miguel, 2J
Alcaraz de la Osa, R., 1F, 1G
Aldana, Mikel, 2L
Alegria, E., 0D
Algnamat, Bilal S., 2R
Alharbi, Khalid H., 07
Al-Khalidi, Abdullah, 07, 2Q, 2Y
Almaguer, C., 1D
Almeida, A. L., 1C
Almeida, Álvaro J., 32
Álvarez, Ezequiel, 0N
Alves, R. A., 14, 15, 16, 17, 18, 1A, 1B, 1C, 1E, 1L
Amorín, Adán, 2A
Antona, Beatriz, 2C
Aragón, Ángel L., 0G, 2A
Arellanes, Adan Omar, 31, 39
Arines, J., 1D
Arosa, Yago, 2R
Augustyn, Elżbieta, 0F
Aung, Tin, 0L
Aymerich, María, 0N, 2A
Bani, Mohammad Amin, 1O
Bao-Varela, Carmen, 0G, 2A
Baptista, António M. G., 2G
Barmenkov, Yuri O., 2K
Barrio, Ana, 2C
Baskaran, Mani, 0L
Bastos, Ricardo, 32
Bazylińska, Urszula, 0K
Beltrán, Lina, 1I, 1S
Benedicto, David, 0S
Benjumea, Eberto, 28
Berbel, M. A., 0C
Bértolo, Helder, 2C
Bierlich, Jörg, 2I
Blanco, Manuel, 2A
Blanco García, Jesús, 10, 2U
Botero-Cadavid, Juan F., 37
Cabral, Alexandre, 0E
Camelin, P., 2P
Cambronero-López, Ferran, 2A
Cantu, Horacio, 2Q
Cardona, Juan de la Cruz, 2J, 2M
Cardozo da Silva, Jean Carlos, 1Q
Carnicer, Artur, 0M
Castañeda-Quintero, Raul, 2L
Castro Alves, D., 0E
Catarino, Susana O., 04
Cattin, Philippe C., 1I, 1S
Cerezo, V., 03
Chavez Dagostino, Miguel, 39
Chavushyan, Vahram, 3I
Chiamenti, Ismael, 1R, 25
Coelho, João M. P., 1Y, 1Z
Contreras-Torres, F. F., 19
Correa, Nelson, 2L
Costa, J. C., 0H, 1I, 14, 15, 16, 17, 18, 1A, 1B, 1C, 1E, 1L
Costa, Manuel F. M., 03
Cui, G., 0U
Cunillera, A., 0C
Czerska, Elwira, 0F
de la Fuente, Raul, 2R
de la Rosa, I., 1T
De La Rue, Richard M., 30
Demin, M. M., 0X
Delgado, Tamara, 2A
de Moura, Camila Carvalho, 25
de Oliveira, Valmir, 25
de Sande, Juan Carlos G., 1N, 23
Díaz, Leonardo, 0W, 28
Díaz-Otero, F. J., 02
Diz-Bugarin, J., 10
Döhrring, Thorsten, 0I
Dreyer, Uilian José, 1Q
Dudea, Diana, 13
Encarnação, Tito J., 2G
Espitia, José, 28
Esteban, Ruben, 2E
Fantoni, Alessandro, 0A, 0D, 0Z
Feldmann, Jochen, 2E
Fernandes, Gil M., 2I
Fernandes, João, 1M
Fernandes, M., 0D
Fernández, A., 1F, 1J
Fernández-Luna, J. L., 1J
Fernández-Maloigne, C., 0U
Ferreira, Antonio F. G., Jr., 1K
Ferreira, Marta S., 2I, 2S, 2V
Ferreira, Miguel F. S., 2W

Ferreira, T. D., 1A
 Figueiredo, José M. L., 07, 08, 2Q, 2Y
 Flores-Arias, M. Teresa, 0N, 2A
 Foot, James A., 07, 08
 Franco, Sandra, 2D
 Frazão, Orlando, 21, 24, 26, 2W
 Freitas, E. F., 03
 Friederich, N., 1S
 Fu, Chan Yiu, 0L
 Gallego, Daniel, 33
 García, P. A., 0U
 García-Resua, Carlos, 0O, 0T
 García-Sucerquia, Jorge, 22
 Gargello, Ana, 2A
 Garzón, Ingrid, 2J
 Gavara, T., 06
 Gaviria, Jefry, 2L
 Gazda, M., 2H
 Gebert de Oliveira Franco, Ana Paula, 27
 Gerbreders, Vjaceslavs, 2B
 Ghafoor, Moeen, 0J
 Ghinea, Razvan, 13, 2J, 2M
 Giraldez, María J., 0O, 0T
 Giudici, M., 2P
 Gomes, André D., 24, 2W
 Gomes, J., 35
 Gomes, M., 11, 14, 15, 16, 17, 18, 1A, 1B, 1C, 1E,
 1L
 Gómez-Varela, Ana I., 0N, 2A
 Gomez, Freiman, 34
 Gómez-Cardona, N., 34
 Gómez-Robledo, L., 0U
 González, F., 1F, 1G
 González-Andrades, Miguel, 2J
 Gorí, Franco, 1N
 Govyadinov, Alexander A., 2E
 Grzelczak, Marek, 2E
 Guerreiro, A., 11, 14, 15, 16, 17, 18, 1A, 1B, 1C, 1E,
 1L
 Guillan-Lorenzo, O., 02
 Gunab, Hadi, 0B
 Gutiérrez, Y., 1F, 1G
 Guzman, Raphael, 1I
 Hänninen, Pekka E., 2O
 Harun, Mohd Hazwan, 0B
 Herrera, Luis J., 1X, 2M
 Herrera-Ramírez, Jorge, 22, 2L
 Hincapié-Zuluaga, Diego, 22, 2L
 Holmes-Smith, A. Sheila, 30
 Hong, F.-L., 06
 Huang, M., 0U
 Illaramendi, María Asunción, 0R
 Ionescu, Ana M., 2J, 2M
 Ivanov, R., 1T
 Jahns, J., 2O
 Janusas, Giedrius, 1H
 Jaschinski, Wolfgang, 3A
 Javaloyes, J., 2P
 Jendrzewski, R., 2H
 Johnson, Nigel P., 30
 Juvells, Ignasi, 0M
 Kalinowski, Hypolito José, 1R, 25, 27
 Kamicawachi, Ricardo C., 1R
 Karam, Leandro Zen, 27
 Katsuragawa, M., 06
 Kelly, Anthony E., 2Q
 Kępińska, Mirosława, 0F
 Khan, Gufran S., 2T
 Kir'yanov, Alexander V., 2K
 Kitano, Cláudio, 1W
 Kobelke, Jens, 2I
 Koepke, Czesław, 0F
 Koho, Sami V., 2O
 Korneev, N., 38
 Koroleva, O. N., 0Y
 Kowal, Dominik, 2W
 Krasilenko, Vladimir, G., 2N
 Krumina, Gunta, 3A
 Kuhne, Jean F., 1R
 Kulbacka, Julita, 0K
 Kumar, M., 35
 Kumar, Varun, 2T, 2X
 Lamela Rivera, Horacio, 33
 Lazarev, Alexander, A., 2N
 Li, C., 0U
 Lima, Mário, 0Q, 1M
 Lima, Rui, 04
 Lisiecki, Radosław, 0F
 Liz-Marzán, Luis M., 2E
 López-Lago, Elena, 2R
 López-Luke, T., 12, 19
 Loren Inácio, Patrícia, 1R, 25
 Lourenço, Paulo, 0Z
 Louro, P., 09, 0A, 0D, 0H
 Lucena, Cristina, 1V
 Macedo, Antonio F., 2G
 Magalhães, Tiago C., 1U
 Majewska, N., 2H
 Majumdar, S., 2H
 Maluenda, David, 0M, 1N
 Marasanov, Dmitriy, 0J
 Marconi, M., 2P
 Martelli, Cicero, 1Q
 Martín, J. C., 0P
 Martín, Roberta I., 1W
 Martínez, G., 1T
 Martínez-Herrero, Rosario, 0C, 0M, 1N
 Mazhukin, A. V., 0X, 0Y
 Mazhukin, V. I., 0X, 0Y
 McMeekin, Scott G., 30
 Melgosa, M., 0U
 Melnikau, Dzmitry, 2E
 Mendonça, J. T., 1I
 Mergo, Pawel, 2W
 Mestre, Tiago, 2C
 Millán, María S., 29, 36
 Minas, Graça, 04
 Minkovich, Vladimir P., 0R
 Moldovan, Marionara, 13
 Monteiro, Catarina S., 26

Moraes, José Carlos T. B., 1K
 Moreno, F., 1F, 1G, 1J
 Morillas, S., 0U
 Muga, Nelson J., 2I
 Murukeshan, V. M., 0L
 Nadas, Rafael B., 1R
 Naftaly, Mira, 2Z
 Naim, Nani Fadzliina, 0B
 Nakagawa, K., 06
 Nascimento, Micael, 2S
 Nazeri, Majid, 1O
 Nespereira, Marta, 1Z
 Nieto, Daniel, 0G
 Nikitovich, Diana V., 2N
 Nikonorov, Nikolay, 0J
 Novais, Susana, 2V
 Nunes, Amélia Fernandes, 1P
 Ohae, C., 06
 Oliveira, Cristina M., 2D
 Ornelas-Soto, N., 12, 19
 Ortiz, D., 1F, 1G
 Outumuro, I., 10
 Palevicius, Arvydas, 1H
 Palevicius, Paulius, 1H
 Panke, Karola, 3A
 Pazos, Antonio, 0G
 Pecho, Óscar E., 2M
 Pedrosa-Rodríguez, L., 02
 Pena-Verdeal, Hugo, 0O, 0T
 Pereira, L., 35
 Pereira, Rui M. S., 0V
 Peres, Nuno, 0V
 Pérez, Eliseo, 0G
 Pérez, María del Mar, 13, 1V, 1X, 2J, 2M
 Pérez-Cabré, Elisabet, 29, 36
 Perinchery, Sandeep M., 0L
 Pichardo-Molina, J. L., 12
 Pinho, Pedro, 0Z
 Pinto, A., 35
 Pinto, Armando N., 2I
 Pinto, João L., 2S, 2V
 Piquero, Gemma, 1N, 23
 Pospori, Andreas, 33
 Pozo, Antonio M., 1V
 Pulgar, Rosa, 1X
 Ragulskis, Minvydas, 1H
 Rakovich, Yury P., 2E
 Rauter, Georg, 1I, 1S
 Rebordão, José Manuel, 0E, 1U, 1Y, 1Z
 Rei, João F. M., 07, 08
 Reyes-Vera, Erick, 34, 37
 Ribeiro, A., 0D
 Richard, N., 0U
 Rivas, María José, 1X, 2M
 Rodrigues, Carla, 0Q
 Rodrigues, Francisco, 0Q, 1M
 Rodrigues, Gil C., 07, 08, 2Y
 Rodríguez Fernández, Carlos Damian, 2R
 Rodríguez Lorenzo, Francisco, 2U
 Rodríguez, G., 1T
 Rodríguez-Montero, P., 38
 Sagias, Georgios, 33
 Saiz, J. M., 1F, 1G, 1J
 Sakamoto, João M. S., 1W
 Salas, Marianne, 13, 1V
 Sánchez-Iglesias, Ana, 2E
 Sánchez-García, Ángel, 2A
 Santana, Janiley, 1X
 Santarsiero, Massimo, 1N, 23
 Santos, Jaime E., 0V
 Santos, José L., 2I
 Sanz, J. M., 1G
 Sanz-Felipe, Á., 0P
 Savateeva, Diana, 2E
 Sawczak, M., 2H
 Schmidt, Mikolaj K., 2E
 Sgibnev, Yevgeniy, 0J
 Shahpari, Ali, 32
 Shakhher, Chandra, 2T, 2X
 Shapranov, A. V., 0X, 0Y
 Sharp, Graham G., 30
 Shcherbakov, Alexandre S., 31, 39
 Sheikhnejad, Yahya, 32
 Silva, Ivo, 04
 Silva, Nuno A., 11, 14, 15, 16, 17, 18, 1A, 1B, 1C, 1E, 1L
 Silva, Susana O., 26
 Simon, Thomas, 2E
 Śliwiński, G., 2H
 Snikeris, Janis, 2B
 Sotsky, Alexander B., 0R
 Souto, André, 0V
 Statkiewicz-Barabach, Gabriela, 2W
 Suhaimi, N. Sheeda, 06
 Sulaiman, Malik, 0B
 Supian, L. S., 0B
 Svede, Aiga, 3A
 Tcarenkova, Elena, 2O
 Teixeira, António L., 0Q, 1M, 32
 Teixeira, Marcelo C. M., 1W
 Tepichín Rodríguez, Eduardo, 31, 38, 39
 Texeira, D., 0D
 Torres, Cesar, 0W, 28
 Torres, H., 03
 Tuna, Ana Rita, 1P
 Urban, Alexander S., 2E
 Úsuga-Restrepo, J., 34, 37
 Vaca Pereira G., M., 0R
 Vagner da Silva, Erlon, 1Q
 Valencia, J. L., 10
 Vallés, Juan A., 0S
 Vasilevskiy, Mikhail, 0V
 Vázquez Dorrío, Benito, 10, 2U
 Velosa, F., 05
 Vieira, M., 09, 0A, 0D, 0H
 Vieira, M. A., 09, 0A, 0H
 Vieira, P., 0A
 Vildady, Juan M., 0W, 29, 36
 Vilarinho, Daniel, 2G
 Vilhena, Henrique, 1Y, 30

Villa, J., 1T
Villatoro, Joel, 0R
Vujcic, Zoran, 32
Vygranenko, Y., 0D
Wang, Jue, 07, 2Q, 2Y
Wasige, Edward, 07, 2Q, 2Y
Watson, Scott, 2Q
Wawrzyńczyk, Dominika, 0K
Webb, David J., 33
Williamson, Sandra, 2A
Wiśniewski, Krzysztof, 0F
Wold, J. P., 19
Yebra, Ana, 13, 1V, 1X, 2M
Yebra-Pimentel, Eva, 0O, 0T
Zam, Azhar, 1I, 1S
Żelechower, Michał, 0F
Zhang, Weikang, 2Q
Zubia, Joseba, 0R
Zuñiga-Bedoya, J., 37

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Introduction

Celebrating Optics and Photonics and its outstanding positive impact in the world and in our everyday life (largely resulting from the current remarkable success and fast sustainable development in optics and photonics research, the Portuguese Society for Optics and Photonics (Portugal), SPOF - Sociedade Portuguesa para a Investigação e Desenvolvimento em Óptica e Fotónica (Portugal)) successfully organised its third triennial international conference on Applications of Optics and Photonics, 8 – 12 May, at the Universidade do Algarve in the lovely city of Faro, Portugal.

The conference was organized to foster the establishment of the widest range of cooperation projects and relationships with colleagues and institutions from all around the world, while increasing the external visibility of Portugal's optics and photonics research.

The success of the conference came from the enthusiastic commitment of the Portuguese optics and photonics community and of our friends from all over the world, and the endorsement and active support of the most important international scientific optics societies:

ICO, SPIE, EOS, RIAO; several national societies, committees, and boards: SEDOPTICA- Sociedad Española de Óptica (Spain), AMO (Mexico), STO (Tunisia), OPSS (Singapore), CVO (Venezuela), RCO (Colombia), SOFE (Ecuador), and SPF (Portugal);

other photonics and optics industries and companies, as well as the following projects and initiatives: Laserlab-Europe, iBROW, INNOVA, Laser World of Photonics, OPA, OQJ-Springer, adLASER, MTBrandão, Lda.;

and the contribution from the authors and presenters of the 191 effectively presented talks in all domains of optics and photonics.

Of the over two hundred works presented, the conference included 32 invited lectures from world leading scientists and 7 plenary lectures, which gave an excellent overview of the state of the art in optics and photonics research across the world pointing out perspectives of future developments.

Well over one third of all 149 effective participants of the conference were students. This percentage increased to nearly 50% among the Portuguese participants, illustrating the vitality and growth potential of research in optics and photonics in Portugal, and all over the world in general. The support of the International Commission for Optics helped the participation of seventeen students. EOS and SPIE awarded prizes, respectively, to the best student poster presentations and best student research works presented at the conference.

At the closing ceremony of the conference the 2014 and 2015 SPOF's Best PhD Thesis in Portugal in Optic and Photonics were awarded to Hugo Martins ("Distributed and Remote Fiber Sensing Assisted by Raman Effect") and to Marta Ferreira ("Fiber Sensing Based on New Structures and Post-Processing Enhancement"), both former students of the Universidade do Porto (Portugal).

Reflecting the development of the scientific and technological research in optics and photonics in Portugal over last decades and the success of the previous editions of SPOF's conference; it was decided to change the periodicity of our AOP conferences to biannual. Therefore our next conference will be held 3 – 7 June, 2019, in Lisbon, Portugal.

We are looking forward to another exciting and most enjoyable conference!

Manuel F. M. Costa

