

SUNDAY

19:00 - 20:00 Welcoming Cocktail Party
Garden of Camino Real Hotel

MONDAY

Hora	Authors	Affiliation	Title	Place
08:45	Welcome			
09:00 - 09:45	Marc P. Georges	Univ. de Liege (Belgium)	Comparison between thermographic and holographic techniques for nondestructive testing of composites: similarities, differences and potential cross-fertilization	San Javier meeting room
09:45 - 10:00	Pascal Picart, Silvio Montresor, Pierre-Yves Quehe, Sophie Verhaeghe	Univ. du Maine (France)	Quality assessment of de-noising algorithms in digital Fresnel holography	
10:00 - 10:15	Andrea Mikael Sjö Dahl, Yiling Li, Henrik Lycksam s Brunn	Luleå Univ. of Technology (Sweden)	Local strain field measurement using phase gradient estimation from holographic speckle correlation	
10:15 - 10:30	Nikolay V. Petrov, Andrei V. Belashov, Irina V. Semenova	ITMO Univ. and Ioffe Physical Technical Institute (Russian Federation)	Resistant to noise algorithms for digital holographic interferometry and their application	
10:30 - 10:45	Armando Albertazzi, Anderson Pacheco, Filipe Fontana, Matias R. Viotti, Celso Veiga, Livia V. Lothhammer	Univ. Federal de Santa Catarina ; TRANSPETRO; (Brazil)	Bending moment evaluation of a long specimen using a radial speckle pattern interferometer in combination with relaxation methods	
10:45 - 11:00	Ángel M. Fernández Doval, Cristina Trillo Yáñez, José Carlos López Vázquez, José L. Fernández Fernández	Univ. de Vigo (Spain)	Evaluation of the uncertainty of phase-difference measurements in (quasi-)Fourier transform digital holographic interferometry	
11:00 - 11:15	Konstantinos Falaggis, Tomasz Kozacki, Malgorzata Kujawinska	Warsaw Univ. of Technology (Poland)	Optimal single beam wave-field reconstruction with application to speckle field recovery	
11:15 - 11:45	COFFEE BREAK Guanajuato Hall			
11:45 - 12:30	D. D. Nolte, Ran An, John Turek (Invited)	Purdue Univ. (United States of America)	Speckle fluctuation spectroscopy of intracellular motion in living tissue	San Javier meeting room
12:30 - 12:45	Kokge T. Desilva, Hirofumi Kadono	Saitama Univ. (Japan)	Monitoring of Cadmium influence on ultra short-term growth dynamics of plants using a highly sensitive interferometric technique, SIT	
12:45 - 13:00	Fabio Vega Nieto, Cesar O. Torres Moreno	Univ. Popular del Cesar (Colombia)	Proposal of a Bio-speckle descriptor for computing machine take decisions	
13:00 - 13:15	Nestor Cruz-Ojeda, Rosario Porras-Aguilar, Ruben Ramos-Garcia, Julio-Cesar Ramirez-San-Juan	Instituto Nacional de Astrofísica, Óptica y Electrónica (Mexico);	Speckle contrast for blood flow measurement: influence of photo-detector's dead-time	
13:15 - 13:30	Christelle Abou Nader, Rana Nassif, Fabrice Pellen, Bernard Le Jeune, Guy Le Brun, Marie Abboud	Lab. de Spectrométrie et Optique Laser (France); Saint Joseph Univ. of Beirut (Lebanon);	Analysis of the speckle pattern produced by mixtures of polystyrene microspheres: an attempt to explain fruits ripening proces	
13:30 - 13:45	Payam Razavi, Morteza Khaleghi, Cosme Furlong, John J. Rosowski	Worcester Polytechnic Institute, Massachusetts General Hospital and Harvard Medical School (United States of America)	Transient 3D full-field holographic vibrometry of acoustically-excited human eardrum	
13:45 - 16:15	LUNCH Terrace of Camino Real Hotel			
16:15 - 17:00	Percival F. Almoro (Invited)	Univ. of the Philippines (Philippines)	Statistical fringe analysis: theory, algorithm and application	San Javier meeting room
17:00 - 17:15	Ubaldo Uribe, Silvino Muñoz-Solis, María del Socorro Hernández-Montes	CIO (México)	Digital holographic interferometry as a tool to obtain shapes	
17:15 - 17:30	Wolfgang Osten, Giancarlo Pedrini, Rainer Gadow, Peter Weidmann	Institut für Technische Optik (Germany); Univ. Stuttgart (Germany)	A flexible method for residual stress measurement of growing coatings by laser made hole drilling and SLM based beam steering	
17:30 - 17:45	Varun Kumar, Manoj Kumar, Chandra Shakher	Indian Institute of Technology Delhi (India)	Temperature measurement of axi-symmetric butane diffusion flame under the influence of upward decreasing gradient magnetic field using digital holographic interferometry	
17:45 - 18:00	Marc P. Georges, Jean-François Vandenrijt, Cédric Thizy	Univ. de Liege (Belgium)	Combination of temporal phase unwrapping and long-wave infrared digital holographic interferometry for metrology of mosaic detector under space simulated conditions	
18:00 - 18:15	Vanderlei Salvador Bagnato, Robin Kaiser, François Impens, Karen Volke-Sepúlveda	Univ. de São Paulo (Brazil); Univ. Nice Sophia Antipolis (France); Univ. Federal do Rio de Janeiro (Brazil); UNAM (Mexico)	Free expansion of a quantum turbulent cloud of atomic superfluid: an equivalence to the propagation of a speckle light field	
18:15-18:30	Sergio De la Cruz, Eugenio R. Mendez, Héctor M. Escamilla	Ctr. de Investigación Científica y de Educación Superior de Ensenada (Mexico)	Interaction of speckle fields with surfaces	
20:00	Callejoneada	Use Comfortable shoes		

TUESDAY

Hora	Authors	Affiliation	Title	Place
09:00 - 09:45	Andrew J. Moore, Steven Earl (Invited)	Heriot-Watt Univ. (United Kingdom)	Measuring travelling waves with speckle interferometry	San Javier meeting room
09:45 - 10:00	Jean-François Vandenrijt, Cédric Thizy, Marc P. Georges	Univ. de Liege (Belgium)	Time-averaged phase-stepped ESPI in long-wave infrared and shearography in the visible for identification of vibration mode shapes	
10:00 - 10:15	Carlos Pérez-López, Jorge Sanchez Preciado	CIO (México)	Transient response of a plate convolved with a mechanical shaker using high speed optical interferometry	
10:15 - 10:30	Eric Gauthier	CEA (France)	2-wavelength speckle interferometry diagnostic for erosion monitoring in ITER	
10:30 - 10:45	Laura A. Arévalo-Díaz, Virginia Palero, Nieves Andrés, Julia Lobera, Ma. Pilar Arroyo	Univ. de Zaragoza (Spain)	Quantitative vessel wall deformation measurement by using endoscopic digital holography	
10:45 - 11:00	Alonso Saldaña Heredia, Pedro Antonio Márquez Aguilar, Arturo Molina Ocampo, Alvaro Zamudio-Lara	Research Centre on Engineering and Applied Science (Mexico)	Digital image correlation used to analyze a brick under compression test	
11:00 - 11:15	Shilpi Agarwal, Manoj Kumar, Varun Kumar, Chandra Shakher	Indian Institute of Technology Delhi (India)	Measurement of diffusion coefficient and dimensionless analysis of alcohol using digital holographic interferometry	
11:15 - 11:45	COFFEE BREAK Guanajuato Hall			
11:45 - 12:30	H. Cao, B. Redding, S. Popoff, S. F. Liew, Raktim Sarma (Invited)	Yale Univ. (United States of America)	Speckle-based spectrometers	San Javier meeting room
12:30 - 12:45	Steen Grüner Hanson, Maumita Chakrabarti, Michael L. Jakobsen, Henrik C. Petersen	DTU Fotonik; DTU Risø Campus (Denmark);	Speckle-based Wavemeter	
12:45 - 13:00	Eynas Amer, Per Gren, Mikael Sjö Dahl	Luleå Univ. of Technology (Sweden)	Stimulated Raman scattering imaging for studying specific species	
13:00 - 13:15	Noureddine Bennis, Zbigniew Holdynski, Idzi Merta, Pawel Marc, Przemyslaw Kula, Leszek R. Jaroszewicz (Gold Sponsor)	Military Univ. of Technology (Poland)	Hybrid young interferometer for high resolution measurement of dynamic speckle using high birefringence liquid crystal	
13:15 - 13:30	Rana Nassif, Christelle Abou Nader, Fabrice Pellen, Bernard Le Jeune, Guy Le Brun, Marie Abboud	Saint Joseph Univ. of Beirut (Lebanon); Lab. de Spectrométrie et Optique Laser (France); Lab. de Spectrométrie et Optique Laser, Univ. de Bretagne Occidentale (France)	Real-time monitoring of corks' water absorption and dryness using laser speckle temporal correlation	
13:30 - 13:45	Laura M. Aulbach, Alexander W. Koch	Technische Univ. München (Germany)	Generation of high-resolution dynamic wavefronts for speckle-based measurements of complex surface shapes	
13:45 - 16:15	LUNCH Terrace of Camino Real Hotel			
16:00 - 18:30	Poster session: Chair Manuel De la Torre and Mauricio Flores Moreno Guanajuato Meeting Room			
20:00	Gala Dinner Casa Colorada Restaurant			

WEDNESDAY

Hora	Authors	Affiliation	Title	Place
09:00 - 09:45	Christophe Gorecki (Invited)	FEMTO-ST, CNRS, Univ. of Franche-Comté (France)	Two configurations of miniature Mirau interferometry for swept-source OCT imaging: applications in dermatology and gastroendoscopy	San Javier meeting room
09:45 - 10:00	Toshihiro Fukai, Hirofumi Kadono	Toyo Seiki Seisaku-sho, Ltd., and Saitama Univ. (Japan)	Observation of drying process of multilayered paint using fOCT based on dynamic speckles	
10:00 - 10:15	Jose Rafael Guzman-Sepulveda, Diego Hurtado-Gimenez, and Aristide Dogariu	CREOL, The College of Optics and Photonics, University of Central Florida, Orlando, Florida, USA	Measuring local diffusion properties in colloidal systems	
10:15 - 10:30	Manoj Kumar, Kumresh Kumar Gaur, Chandra Shakher	Indian Institute of Technology Delhi (India)	Measurement of elastic and thermal properties of composite materials using digital speckle pattern interferometry	
10:30 - 10:45	Cynthia V. Santiago-Lona	CIO (México)	Study of the motion of the tympanic membrane in vivo using endoscopic holographic	
10:45 - 11:00	Payam Razavi, Morteza Khaleghi, Cosme Furlong	Worcester Polytechnic Institute (United States of America)	Full-field digital holographic vibrometry for characterization of electronic packaging and MEMS	
11:00 - 11:15	Yasuhiko Arai	Kansai Univ, (Japon)	Optimum beam ratio of speckle deformation interferometry using only two speckle patterns	
11:15 - 11:45	COFFEE BREAK Guanajuato Hall			
11:45 - 12:30	Peter Lehmann, Weichang Xie (Invited)	Univ. Kassel (Germany)	Signal formation in depth-scanning 3D interference microscopy at high numerical apertures	San Javier meeting room
12:30 - 12:45	Yuri N. Zakharov, Lobachevsky	Harvard Univ (United States of America); State Univ. of Nizhni, Novgorod (Russian Federation)	Holographic scanning microscopy: easy techniques and difficulties in reconstruction	
12:45 - 13:00	Alexander P. Vladimirov	Ural Federal Univ., anb Yekaterinburg Research Institute of Viral Infections (Russian Federation)	Dynamic speckle interferometry of microscopic processes in solids and thin biological objects	
13:00 - 13:15	Toyohiko Yatagai	Utsunomiya Univ. (Japan)	Instantaneous phase-shifting Fizeou interferometry with high-speed pixelated phase-mask camera	
13:15 - 13:30	Malgorzata Kujawska, Jakub Zak, Piotr Makowski, Grzegorz Finke	Warsaw Univ. of Technology (Poland)	Synthetic aperture double exposure digital holographic interferometry for wide angle measurement and monitoring of mechanical deformation	
13:30 - 13:45	J. M. Flores, Manuel H. De la Torre-Ibarra, Maria S. Hernández-Montes, Carlos Pérez-López, Fernando Mendoza Santoyo	CIO (México)	Interferometric performance comparison between a CMOS and a sCMOS detector	
13:45 - 16:15	LUNCH Terrace of Camino Real Hotel			
16:15 - 17:00	Aristide Dogariu (Invited)	CREOL, The College of Optics and Photonics, University of Central Florida, Orlando, Florida, USA.	Polarization Correlations in Random Fields	San Javier meeting room
17:00 - 17:15	Jan Dupont, Xavier Orlik	ONERA (France)	Polarization analysis of speckle field: observation of rare polarization singularities	
17:15 - 17:30	Eugenio R. Mendez, Hector Manuel Escamilla, A. Georgina Navarrete	Ctr. de Investigación Científica y de Educación Superior de Ensenada (Mexico)	Speckle statistics in partially polarized fields	
17:30 - 17:45	Ning Ma, Mitsuo Takeda, Steen G. Hanson, Tim K. Lee, Wei Wang	Heriot-Watt Univ. (United Kingdom); Utsunomiya Univ. (Japan); DTU Fotonik (Denmark); BC Cancer Agency (Canada);	Coherence and polarization of polarization speckle generated by depolarizers and their changes through complex ABCD matrix	
17:45 - 18:00	Davood Khodadad, Eynas Amer, Per Gren, Emil Melander, Emil Hällstig, Mikael Sjö Dahl,	Luleå Univ. of Technology; Uppsala Univ.; Optronic Partner dp AB (Sweden)	Single shot dual polarization Magneto-Optical Kerr Effect (MOKE) holography: measurement of the polarization state	
18:00 - 18:15	Pascal Picart, Jean-Michel Desse	Univ. du Maine (France); ONERA (France)	Single-shot common-path polarization holographic interferometer for studying flows	
18:15	CLOSING			