ICPPP21 International Conference on Photoacoustic and Photothermal Phenomena

Tuesday 21 June 2022

Poster session (18:00-19:30)

time	[id] title	presenter
18:00	[190] P1 - Abdul Rahman: A modified mode-mismatched thermal lens spectrometry Z-scan mode: An exact approach	
18:05	[191] P3 - Usiel Omar García Vidal: Thermal study of porous and compact SiO2 nanoparticle nanoliquids by TWRC technique	
18:10	[192] P5 - Mioljub Nešić: Characterization of TiO2 thin film deposited on Silicon membrane using neural networks	
18:15	[193] P7 - Yide Shang: Towards a point spread function for nanoscale chemical imaging	
18:20	[194] P9 - Juan José Alvarado-Gil: Thermal lens spectroscopy: an analytical model for a pulsed-laser	
18:25	[195] P11 - Jose Luis. M. Montes de Oca: Effect of mesoporous cerium oxide nanofluids on the thermal conductivity	
18:30	[196] P13 - Juan José Alvarado-Gil: Thermal characterization of emulsions stabilized by Sodium Dodecyl Sulfate	
18:35	[197] P15 - Alexander Melnikov: Simultaneous Reconstruction of Density and Thermal Conductivity Depth Profiles in Sintered Metal Powder Compacts using a Novel Inverse Thermal-Wave Method	
18:40	[198] P17 - Jose Arturo Aguilar Jimenez: Photothermal characterization of polyester composites loaded with parallelly arranged graphite rods	
18:45	[199] P19 - Fernando Cervantes-Alvarez: Thermal, mechanical and optical characterization of calcium caseinate biopolymers with borax as crosslinking agent	
18:50	[200] P21 - Roberto Li Voti: Infrared emissivity of vanadium dioxide thin films coated on cotton fabrics	

Poster session (18:00-19:30)

time	[id] title	presenter
18:00	[201] P23 - Dorota Korte: Analysis of SiO2 and BaSO4 leachates from dental composites by thermal lens spectrometry	
18:05	[202] P25 - Saurer Markus: Detection of defects in multilayer solids with laser-induced surface acoustic waves	
18:10	[203] P27 - Yang Zhang: Adaptive polarized photoacoustic computed tomography	
18:15	[204] P29 - Noemi Orazi: 3D Browsing of historical books by means of Active Infrared Thermography	

18:20	[205] P31- Roberto Li Voti: Thermal Anisotropy of Polyethersulfone Woven Textiles by Infrared Thermography	
18:25	[206] P33 - Justinas Pupeikis: Efficient picosecond ultrasonics with a common-cavity dual-comb laser	
18:30	[207] P35 - Neža Golmajer Zima: In vivo monitoring of laser tattoo removal using pulsed photothermal radiometry and diffuse reflectance spectroscopy	
18:35	[208] P37 - Andreas Mandelis: Optothermal and photoacoustic characterization of protein corona and blood using plasmonic nanoparticles: pharmaceutical aspects.	
18:40	[209] P39 - Miroslava Jordovic Pavlovic: The reduction of neural network input vector for efficient optimization of photoacoustic calibration	
18:45	[210] P41 - Marcus Wolff: New Voltage Control Technique for Mach-Zehnder Modulators	
18:50	[211] P43 - Ufuk Yilmaz: Novel approach for bottom-illuminated photothermal nanoscale chemical imaging with a flat silicon sample carrier	

Poster session (18:00-19:30)

time	[id] title	presenter
18:00	[212] P45 - Xueshi Zhang: Ppb-Level Methane Sensor Using a Multi-Pass Mode Photoacoustic Spectroscopy Technology	
18:05	[213] P47 - Lixian Liu: Windowless Photoacoustic Cell for Trace Gas Detection	
18:10	[214] P49 - Gianpaolo Bei: Doppler effect for thermal waves: theory and applications	
18:15	[215] P51 - Andreas Mandelis: Three-Dimensional Truncated Correlation Photothermal Coherence Tomography Image Optimization using Linear Iso Phase Imaging	
18:20	[216] P53 - Hui Zhang: The feature detection of GFRP subsurface defects using fast randomized sparse principal component thermography	
18:25	[217] P55 - Fei Wang: Intelligent Identification for Delamination Defects of Aviation Honeycomb Sandwich Composites (HSCs) Using Convolution Neural Network Fusion Lock-in Thermography	
18:30	[218] P57 - Maria Tareeva: Multiple Stokes and Anti-Stokes Components Generation by Biharmonic Pumping via Stimulated Low-Frequency Raman Scattering	
18:35	[219] P59 - Usiel Omar García Vidal: Thermal study of ferromagnetic nanoparticles coated with mesoporous Silicon Oxide	
18:40	[220] P61 - Usiel Omar García Vidal: Thermal properties measurement of chitosan-based films for agricultural applications	
18:45	[221] P63 - Eder Contreras-Gallegos: Optical and Thermal Properties of Mexican Native Maize and Tortilla	
18:50	[222] P65 - Fidel Roberto Castellanos Duran: Absolute fluorescence quantum yield spectra of light scattering samples determined using thermal lens spectroscopy aided by optical absorbance and fluorescence measurement	
18:55	[223] P67 - Behnaz Abbasgholi Nejad Asbaghi: Miniaturized gel electrophoresis-thermal lens technique as a highly sensitive photothermal detection method	

Wednesday 22 June 2022

Poster session (18:00-19:30)

time	[id] title	presenter
18:00	[246] P46 - Daniel Maitethia Memeu: Analytical Method for Estimating Chemical Composition of Bio-Samples under Photo-thermal Investigation	
18:05	[247] P48 - Xukun Yin: Photoacoustic SO2 gas sensor in SF6 buffer gas employing a 266 nm LED	
18:10	[248] P50 - Mingqiang Liu: Twin-focus thermal lens microscopy: A theoretical description	
18:15	[249] P52 - Augustin Salazar: Measuring the depth and width of delaminations by photothermal radiometry	
18:20	[250] P54 - Cuiling Peng: Noncontact measurement of sub-micron-level ultrasonic vibration by near-field microwave	
18:25	[251] P56 - Zhuoyan Yue: Research on Multi-dimensional Feature Recognition for PCBs Typical Defects Using Laser Ultrasonic Imaging	
18:30	[252] P58 - Usiel Omar García Vidal: Study of the thermal properties of resin/graphene nanocomposite for 3D print applications	
18:35	[253] P60 - Saucedo-Alfonzo DA: Characterization of natural hepatoprotectors and added foods by photoacoustic spectroscopy and colorimetry.	
18:40	[254] P62 - Raul Romero-Galindo: Characterization of plasma-treated gooseberry (Physalis Peruviana L.) seeds using photoacoustic techniques	
18:45	[255] P64: Andre Oliveira Guimaraes: Photopyroelectric technique applied to sodium alginate hydrogel characterization	
18:50	[256] P66 - Daniela Amado Santos: Photoacoustic calorimetry study of the conformational variation of the chignolin peptide induced by a pH jump	

Poster session (18:00-19:30)

time	[id] title	presenter
18:00	[235] P24 - Khayala Agharahimli: Infrared Emissivity of microcapsules of organic phase change materials dispersed into smart wearable textiles	
18:05	[236] P26 - Jaka Mur: Laser-induced shock waves and cavitation bubbles in different water metrices	
18:10	[237] P28 - Julien Lecompagnon: Thermographic super resolution reconstruction using 2D pseudo-random pattern illumination	
18:15	[238] P30 - Ugo Zammit: Infrared Thermography study of historical bronze composition effects on the transport properties	
18:20	[239] P32 - Juan José Alvarado-Gil: Thermal characterization of polymeric thin films by photoacoustic spectroscopy	
18:25	[240] P34 - Lilia Ivonne Olvera Cano: Measurement of glycated haemoglobin through photoacoustic spectroscopy, a non- destructive assessment	
18:30	[241] P36 - Andreas Mandelis: Long-Wave and Mid-Wave Photothermal Coherence Tomography Imaging of Human Teeth	

18:35	[242] P38 - Mladena Lukic: Machine learning based determination of photoacoustic signal parameters for different gas mixtures	
18:40	[243] P40 - Marcus Wolff: Finding the optimal TDLS wavelength	
18:45	[244] P42 - Elisabeth Holub: Mid-Infrared Photothermal Spectroscopy in Aqueous Media	
18:50	[245] P44 - Le Zhang: Dual-resonant mode T-type cell-based Photoacoustic Spectroscopy for Simultaneous Trace gas detection	
18:55	[260] P69- Iain White: Sensitive detection of free bilirubin and biliverdin to explore their role as protective factors against the development of chronic degenerative diseases	

Poster session (18:00-19:30)

time	[id] title	presenter
18:00	[224] P2 - Alvarado Noguez: Optical and Thermal Characterization of Fe3O4 Nanoparticles Covered with Turmeric Extract	
18:05	[225] P4 - Aldrin David Vargas Vargas: Thermal characterization of hydrocarbon-water interfaces	
18:10	[226] P6 - Mioljub Nešić: Estimation of heat propagation speed in the thin graphen-oxide foil by photoacoustic	
18:15	[227] P8 - Fernando Cervantes Alvarez: Study of thermal and optical properties of composites made of silver iodomercurate (Ag2HgI4) in a polymeric matrix	
18:20	[228] P10 - Juan José Alvarado-Gil: Influence of the VO2 metal-insulator transition on the thermoelectric properties of composites based on a Bi0.5Sb1.5 Te3 matrix	
18:25	[229] P12 - Fernando Cervantes-Alvarez: Thermal characterization of natural clay using photothermal radiometry technique for thermal insulation applications	
18:30	[230] P14 - Ameneh Mikaeeli: UV light-induced thermal and optical properties of functionalized polymers with strong push-pull azo chromophores in side chain	
18:35	[231] P16 - Usiel Omar García Vidal: Photothermal Techniques for 3D printing polymer characterization	
18:40	[232] P18 - Sandeep Sathyan: Evaluation of optical and acoustical properties of Ba1-xSrxTiO3 material library by a multi-technique approach including picosecond laser ultrasonics	
18:45	[233] P20 - Ankur Chatterjee: Double and multiple pump pulse time-domain thermoreflectance measurements	
18:50	[234] P22 - Hanna Budasheva: Characterization of multilayered drug delivery systems for orthopedic implants by beam deflection spectrometry	
18:55	[259] P68- Todorovic M. Dragan: Photoacoustics in the Study of Micromechanical Structures	