

CERTIFICATE of attendance

This is to certify that

GUZMAN LABRERA. RAFAEL

has attended

20th International Conference on Photoacoustic and Photothermal Phenomena

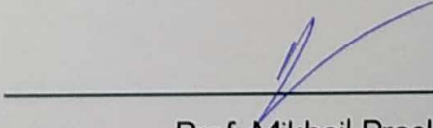
JULY 7th - 12th, 2019

Moscow, Russia

with poster presentation

titled LRSP - Based Structures for
Interferometric Biosensing

Chairman of the Program and Organizing Committee


Prof. Mikhail Proskurnin

THE 20TH INTERNATIONAL CONFERENCE
ON PHOTOACOUSTIC AND PHOTOTHERMAL PHENOMENA
JULY 7-12, 2019, MOSCOW, RUSSIA



Guzman-Cabrera
Rafael

MEXICO

PARTICIPANT



The 20th International Conference on Photoacoustic and Photothermal Phenomena

July 7–12, 2019, Moscow, Russia

Final Program

All times in the program are in Russian 24-hour format

Color Code (according to the program)

A.	Biomedical Sciences and Biophotonics
B.	Materials Science and Characterization
C.	Chemistry and Earth Sciences
D.	Fundamentals of Photothermics, Photoacoustics/Optoacoustics, and Related Phenomena
E.	Methodologies of Photothermics, Photoacoustics/Optoacoustics, and Related Techniques
S	Special and Organizational

17:45–19:30 EVENING SESSION C4: SPECTROSCOPY III

In parallel with **Session B6: RADIOMETRY III / THERMAL PROPERTIES II** below

Location: **Sokolniki 1 Hall** – Chairperson: Akihide Hibara

17:45–18:15	Keynote: Tomaz Catunda (<i>USP, São Carlos, Brazil</i>) — Fluorescence quantum efficiency and upconversion measurements by Thermal Lens with 1.53 μm excitation
18:15–18:30	Aleksei Konyashkin (<i>Moscow Institute of Physics and Technology, Russia</i>) — Resonance Photoacoustics for Measurement of Low Absorption of Optical Materials
18:30–18:45	Yulia Sokolovskaya (<i>M.V. Lomonosov Moscow State University, Russia</i>) — Laser optoacoustic method for measurement of light extinction coefficient in colloid media
18:45–19:00	Jehan Akbar (<i>Hazara University, Pakistan</i>) — Photothermal spectrophotometer for measurements of low absorption in liquid samples
19:00–19:15	Rafael Guzman-Cabrera (<i>Universidad de Guanajuato, México</i>) — Quantitative pharmaceutical analysis based on the PCA of Raman spectra
19:15–19:30	Anil Kumar Chaudhary (<i>University of Hyderabad, India</i>) — Study of charge transfer mechanism of PEDOT polymer for detection of solid explosives using pulsed Photoacoustic technique

17:45–19:30 EVENING SESSION B6: RADIOMETRY III / THERMAL PROP. II

In parallel with **Session C4: SPECTROSCOPY III** above

Location: **Sokolniki 2 Hall** – Chairperson: Christ Glorieux

17:45–18:00	Alexandre Semerok (<i>Université Paris-Saclay, France</i>) — Photothermal radiometry method development and application for nuclear technologies
18:00–18:15	Jose Ordonez-Miranda (<i>Cinvestav-Unidad Mérida, Yucatán, México</i>) — Thermophysical Characterization of W-Doped and Undoped Nanocrystalline Powders of VO_2
18:15–18:45	Keynote: Jing Wang (<i>University of Electronic Science and Technology of China, China</i>) — Photocarrier radiometry of silicon wafers: Linear versus nonlinear theoretical models
18:45–19:00	Ruben Arturo Medina-Esquivel (<i>Universidad Autónoma de Yucatán, Mexico</i>) — Photopyroelectric determination of the thermal conductivity tensor of magnetoactive fluids
19:00–19:15	Qiming Sun (<i>University of Electronic Science and Technology of China, China</i>) — Quantitative assessment of surface electronic quality of HF-etched Si wafers using heterodyne lock-in carrierography
19:15–19:30	Yunqiu Wu (<i>University of Electronic Science and Technology of China, China</i>) — Ultra-Wideband Electromagnetic Characteristics for CVD Graphene

19:30–21:00 POSTER DISCUSSION

Location: **Passage and Sokolniki Foyer**

All Posters

Posters are attached Monday, July 8 and detached Thursday, July 11

POSTER CONTRIBUTIONS

Location: **Passage and Sokolniki Foyer**

All posters are attached Monday, July 8 and detached Thursday, July 11

A BIOMEDICAL SCIENCES AND BIOPHOTONICS

AP 001	Baesso, Mauro Luciano — FTIR Photoacoustic Spectroscopy for physicochemical analysis of a self-etch adhesive containing 10-MDP with dentin in noncarious cervical lesions
AP 002	Chmyrov, Andriy — Mechanobiological studies of ultrasound-mediated cell junction interruption using fluorescence super-resolution microscopy
AP 003	Guzman-Cabrera, Rafael — LRSP-based structures for interferometric biosensing
AP 004	Petrova, Elena — Using photoacoustics to study protein aggregation abnormalities in organs of the gastrointestinal tract
AP 005	Tabatabaei, Nima — Enhancing the Sensitivity and Detection Limit of Lateral Flow Immunoassays using Lock-In Thermography
AP 006	Tabatabaei, Nima — In pursuit of an optimum optical imaging technology for early detection of dental caries
AP 007	Wolff, Marcus — Modeling of an open photoacoustic resonator for blood glucose measurement
AP 008	Zhou, Jiangtao — The study of photosynthetic light-harvesting antenna supercomplexes in the xanthophyll cycle by infrared nanospectroscopy

B MATERIALS SCIENCE AND CHARACTERIZATION

BP 001	Baesso, Mauro Luciano — Energy Transfer Processes in Solar Cell Materials by Photoacoustic Spectroscopy
BP 002	Catunda, Tomaz — Study of overtones and combination bands in solvents using near near-infrared thermal lens spectroscopy
BP 003	Catunda, Tomaz — Near-near infrared thermal lens spectroscopy to monitor transesterification reaction during biodiesel production
BP 004	Dominguez-Pacheco, Arturo — Statistical methods for the analysis of thermal images obtained from corn seeds
BP 005	Dominguez-Pacheco, Arturo — Optical properties in textile materials added with UV protective biomaterials
BP 006	Dominguez-Pacheco, Arturo — Optical characterization of essential oils of Mexican aromatic plants
BP 007	Dominguez-Pacheco, Arturo — Characterization of vegetables lubricants with Nanoparticles by PAS
BP 008	Dominguez-Pacheco, Arturo — Thermal analysis and artificial vision of laser irradiation on maize
BP 009	Dominguez-Pacheco, Arturo — Photoacoustic spectroscopy on the evaluation of seedlings from seed treated by polluting gases.
BP 010	Franko, Mladen — Thermal Effusivity Investigations of Solid Thermoelectrics Using the Front Photopyroelectric Detection
BP 011	Glazov, Aleksei — Photothermoacoustic evaluation of local thermal properties of soldered joints in photovoltaic solar cells
BP 012	Herrmann, Kai — Thin film photothermal characterization: Photoacoustic thermal wave interferometry on low thermal diffusivity materials
BP 013	Kazmierczak-Balata, Anna — Investigation of morphology, thermal and electron properties of thin oxide films
BP 014	Larciprete, Maria Cristina — In-plane thermal diffusivity measurements of PES woven textiles.
BP 015	Lei, Xiao Ke — Electronic transport characterization of B ⁺ ion-implanted silicon wafers using nonlinear two-layer frequency-domain photocarrier radiometry model
BP 016	Li, Bincheng — CCD-based thermal lensing for fast localization of microscale absorptive defects on large-sized laser components