



4TH EDITION OF ADVANCEMENTS OF LASERS OPTICS & PHOTONICS HYBRID CONFERENCE

LOP 2022

OCTOBER 06-07 2022 | PARIS, FRANCE

VENUE: MERCURE PARIS CDG AIRPORT & CONVENTION

HOSTING ORGANIZATION

Linkin Science Pvt. Ltd

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October 06, 2022

09:30-09:55
Oral

Title: Ferro electric properties of BiFeO₃ ceramics with cation substitutions at Bi-site (La³⁺, Eu³⁺) and Fe-site (Nb⁵⁺, Zr⁴⁺)

Aleksandar Radojkovic, University of Belgrade, Serbia

09:55-10:20
Oral

Title: Prototype fabrication of sub-millimeter sized batteries based on silicon wafer technology batteries

Robert Hahn, Fraunhofer Institute for Reliability and Microintegration, Germany

10:20-10:45
Oral

Title: Morphology and antibacterial properties of ZnO-TiO₂-SiO₂ Sol-Gel derived coatings on stainless steel

Gundars Mezinskis, Riga Technical University, Latvia

10:45-11:10
Oral

Title: Study of a new anthracene-based polymer: from thin film characterization to fabrication of flexible yellow OLED devices

Kyparisis Papadopoulos, Aristotle University of Thessaloniki (AUTH),Greece

11:10-11:35
Oral

Title: Photophysical and electroluminescence characterization of blue emitting polymers for OLEDs

Tselekidou Despoina, Aristotle University of Thessaloniki (AUTH),Greece

11:35-11:50

Coffee Break: 15 mns

11:50-12:10
YRF

Title: Theranostic characterization of breast cancer treated with nanoprobe, and thermal ablation therapy

Marcela Aparecida Cândido, Vale do Paraíba University, Brazil

12:10-12:25
Poster

Title: Analysis of the diagnostic potential of nano sensors in breast cancer 3D tumor

Paula Fonseca Antunes Vieira, Vale do Paraíba University, Brazil

12:25-12:45
YRF

Title: The investigation of photocatalytic properties of Ni_{0.8}CO_{0.2}/Zn_{0.4}Cd_{0.6}S/g-C₃N₄ as a nano-photocatalyst for pollutants, degradation, and H₂ generation by water splitting

Fatemeh Sousani, Sharif University of Technology, Iran (Local Time: 13:55-14:15)

12:45-13:05
YRF

Title: Metabolic insertion of titanium into the 3D structure of diatomaceous biosilica

Weronika Brzozowska, University of Szczecin, Poland (Local Time: 12:45-13:05)

13:05-13:45

Lunch Break: 40 mns

13:45-14:15

Keynote

Title: Sensors integrated in Organ on chip platforms

Monica Mir Llorente, University of Barcelona, Spain (Local Time: 13:45-14:15)

14:15-14:40

Oral

Title: Cancer-derived exosomes (CDE) and their role in nanomedicine

Per A. Löthman, Foviatech GmbH, Hamburg, Germany; Kaiserslautern University of Applied Sciences, Germany (Local Time: 14:15-14:40)

14:40-14:55

Poster

Title: Synthesis and analysis of InP-based core/shell quantum dots using phosphinecarboxamide as a novel phosphide precursor

Yi Wang, King's College London, UK (Local Time: 13:40-13:55)

14:55-15:20

Oral

Title: Are nanoplastics toxic to plants? early evidence and concerns

Carmelina Spanò, University of Pisa, Italy (Local Time: 14:55-15:20)

15:20-15:50

Keynote

Title: Chemical doping and stability in organic semiconductors : a tale of two charge transfer states

Bharati Neelamraju, University of Arizona, USA (Local Time: 06:20-06:50)

15:50-16:15

Oral

Title:

Adwesh Kumar, India (Local Time: 20:15-20:40)

16:15-16:30

Coffee Break: 15 mns

16:30-17:00

Keynote

Title: Biological effects of electromagnetic waves: stimulation of cell proliferation and differentiation during regeneration as a unique property of THz impulses

László Molnár, University of Pécs, Hungary (Local Time: 16:30-17:00)

17:00-17:25

Oral

Title: Promising laser devices for optical communication, reliability, high-speeds and stability

Salam Nazhan, Diyala University, Iraq (Local Time: 18:00-18:25)

17:25-17:45

YRF

Title: Laser-induced thermotherapy as minimally invasive treatment for hepatocellular carcinoma

Hamzah Adwan, Goethe University, Frankfurt, Germany (Local Time: 17:25-17:45)

17:45-18:00

Poster

Title: Photobiomodulation treatment modulates inflammatory mediators in DSS-induced colitis in mice

Kelly Cristina Quintela Martins Biffencourt, UNINOVE- Nove de Julho University, Brazil (Local Time: 12:45-13:00)

18:00-18:15
Poster

Title: Home-based photo biomodulation in the rehabilitation of patients with chronic physical impairments. A systematic review

Gislene Freitas Franco, UNINOVE- Nove de Julho University, Brazil (Local Time: 13:00-13:15)

18:15-18:30

Coffee Break: 15 mns

18:30-18:45
Poster

Title: Effects of photobiomodulation on the prevention of the skin pressure injury in patients with a diagnosis of COVID-19: a randomized, controlled, and double blind clinical study protocol

Ione Liz Paiotti, UNINOVE- Nove de Julho University, Brazil (Local Time: 13:30-13:45)

18:45-19:00
Poster

Title: Nonionic and anionic polymers affect methylene blue aggregation in formulations for antimicrobial photodynamic therapy

Carolina Montovam Monteiro, UNINOVE- Nove de Julho University, Brazil (Local Time: 13:45-14:00)

19:00-19:15
Poster

Title: Analysis of the action of photodynamic therapy in tissue repair of people affected by diabetic foot lesion

Priscilla Farias Chagas, UNINOVE- Nove de Julho University , Brazil (Local Time: 14:00-14:15)

19:15-19:30
Poster

Title: Comparative study of antimicrobial photodynamic therapy (aPDT) with and without sodium dodecyl sulfate (SDS) for biofilm inactivation of *aggregatibacter actinomycetemcomitans*

Ana Carolina Alves Camargo Tortamano, UNINOVE- Nove de Julho University, Brazil (Local Time: 14:15-14:30)

19:30-19:55

Title: Dynamic Ferroelectricity of Trojan Matter on Regular Lattices

Oral

Matt Kalinski, Utah State University, Logan, USA

■ October 07, 2022

10:00-10:35
Keynote

Title: Deep learning framework for clinical diagnosis - A healthcare system

Sandeep Singh Sengar, Cardiff Metropolitan University, United Kingdom (Local Time: 09:00-09:35)

10:35-11:00
Oral

Title: Ultrasensitive detection of selected gases by laser absorption spectroscopy

Jacek Wojtas, Military University of Technology, Poland (Local Time: 10:35-11:00)

- 11:00-11:15
Poster
Title:Excitation of multiresonance microwave oscillations in bulk lithium niobate crystalinteraction with T-waves of strip structures
Nickolay Malyutin, Tomsk State University of Control Systems and Radioelectronics, Russia (Local Time: 16:00-16:15)
- 11:15-11:30
Poster
Title: Evaluation of the treatment of infectious endocarditis with aPDT and trans-thoracic irradiation in an animal model: A study protocol
Erika da Silva Mello, UNINOVE- Nove de Julho University, Brazil (Local Time: 06:15-06:30)
- 11:30-11:45
Poster
Title: Beam shaping with hybrid optical elements for optical communication links
Rebeca Tudor, National Institute for Research and Development in Microtechnologies, IMT Bucharest, Romania (Local Time: 12:30-12:45)
- 11:45-12:10
Oral
Title: Influence of culture medium on the death curve of *Aggregatibacter actinomycetemcomitans* induced by antimicrobial blue light (aBL)
Luciana Toledo Costa Salviatto, UNINOVE- Nove de Julho University, Brazil (Local Time: 06:45-07:10)
- 12:10-12:25
Coffee Break: 15mns
- 12:25-12:50
Oral
Title: Biophotonics applied to Phlebology: Photonics diagnosis and treatment of all stages of venous chronic diseases. A clinical cases study
Jose Maria Miguel Aguilera Cantero, UNINOVE- Nove de Julho University, Brazil (Local Time: 07:25-07:50)
- 12:50-1:05
Poster
Title:Low level laser therapy applied to the treatment of spasticity in children with a diagnosis of spastic cerebral palsy. The RCT study protocol
Ariane Cristina Zöll, UNINOVE- Nove de Julho University, Brazil (Local Time: 07:50-08:05)
- 13:05-13:20
Poster
Title:Evaluation of the effectiveness of antimicrobial photodynamic therapy and deproteination on permanent teeth with molar incisor hypomineralization (MIH) and the association with the longevity of restorations: Controlled blind clinical trial
Amanda Rafaelly Honório Mandetta, UNINOVE- Nove de Julho University, Brazil (Local Time: 08:05-08:20)
- 13:20-13:35
Poster
Title: Effect of photobiomodulation as a preventive treatment of diabetic foot: A randomized, double blind, controlled clinical study protocol
Roselene Lourenço, UNINOVE- Nove de Julho University, Brazil (Local Time: 08:20-08:35)

- 13:35-13:50
Poster
Title: Use of photobiomodulation for the treatment of lymphedema after mastectomy: A randomized controlled clinical trial protocol
Luir Ruaro Filho, UNINOVE- Nove de Julho University, Brazil (Local Time: 08:35-08:50)
- 13:50-14:05
Poster
Title: Effect of vascular photobiomodulation (ILIB) on sleep quality, relaxation and stress control: A randomized controlled clinical trial
Lucas Sousa, UNINOVE- Nove de Julho University, Brazil (Local Time: 08:50-09:05)
- 14:05-14:45
Lunch Break: 40 mns
- 14:45-15:00
Poster
Title: Photobiomodulation therapies in the treatment of osteonecrosis- A systematic review
Rodrigo Antico Benetti, UNINOVE- Nove de Julho University, Brazil (Local Time: 09:45-10:00)
- 15:00-15:15
Poster
Title: The use of photobiomodulation in the management of radiotherapy side effects: Case series
Talita Oliveira Lima, UNINOVE- Nove de Julho University, Brazil (Local Time: 10:00-10:15)
- 15:15-15:30
Poster
Title: The effect of systemic versus local transcutaneous laser therapy on tension-type cephalgia and orofacial pain in post-covid-19 patients: A pragmatic randomized clinical trial
Mayra Costanti Vilela Campos, UNINOVE- Nove de Julho University, Brazil (Local Time: 10:15-10:30)
- 15:30-15:45
Poster
Title: Treatment of the gastrocnemius muscle myofascial pain syndrome in plantar fasciitis with photobiomodulation: a study protocol
Ana Cristina Ferreira Garcia Amorim, UNINOVE- Nove de Julho University, Brazil (Local Time: 10:30-10:45)
- 15:45-16:00
Poster
Title: Photobiomodulation treatment modulates oxidative stress Formaldehyde-induced lung inflammation in rats
Marlon da-Palma-Cruz, UNINOVE- Nove de Julho University, Brazil (Local Time: 10:45-11:00)
- 16:00-16:15
Poster
Title: Analysis of pain after endodontic instrumentation of molars in a single session associated with photobiomodulation: A randomized double blind controlled clinical Study
Glauca Gonçales Abud Machado, UNINOVE- Nove de Julho University, Brazil (Local Time: 11:00-11:15)

16:15-16:30
Poster
Title: Evaluation of alveolar bone preservation after early molar extraction combined with scaffold biomaterial grafting and photobiomodulation: a randomized, blinded clinical study

Vanessa Dalapria, UNINOVE- Nove de Julho University, Brazil (Local Time: 11:15-11:30)

16:30-16:45
Poster
Title: Adjuvant effect of photobiomodulation in the treatment of incontinence-associated dermatitis in adults – A blinded randomized clinical trial

Adriana da Silva Magalhães, UNINOVE- Nove de Julho University, Brazil (Local Time: 11:30-11:45)

16:45-17:00

Coffee Break: 15 mns

17:00-17:15
Poster
Title: Effect of photobiomodulation on salivary flow, Immunoglobulin and ph level in individuals with xerostomia: Clinical trial controlled and randomized

Ana carolina Barros, UNINOVE- Nove de Julho University, Brazil (Local Time: 12:00-12:15)

17:15-17:30
Poster
Title: Natural killer cell cytotoxicity in oral squamous cell carcinoma cell lines after photodynamictherapy

Bárbara Evelyn Santos de Lima, UNINOVE- Nove de Julho University, Brazil (Local Time: 12:15-12:30)

17:30-17:45
Poster
Title: Effect of photobiomodulation on the salivary glands of patients with Benzodiazepine-induced hyposalivation : Double blind randomized placebo-controlled clinical study

Cícero Dayves da Silva Bezerra, UNINOVE- Nove de Julho University, Brazil (Local Time: 12:30-12:45)

17:45-18:00
Poster
Title: Comparative study between photodynamic therapy with Urucum + Led and probiotics in halitosis reduction – a controlled clinical trial

Pamella de Barros Motta, UNINOVE- Nove de Julho University, Brazil (Local Time: 12:45-13:00)

18:00-18:15
Poster
Title: Vascular photobiomodulation on total hematological leukocytes after muscle injury in an animal model

Veronica Ovidio Carvalho de Santana, UNINOVE- Nove de Julho University, Brazil (Local Time: 13:00-13:15)

18:15-18:30
Poster
Title: Evaluation of the photodynamic effect mediated by methylene blue delivered in surfactant medium used as an adjuvant treatment to endodontic retreatment in the eradication of micro-organisms from previously filled root canals: Clinical test, randomized, controlled and double-bound

Fabiana D. Magalhães, UNINOVE- Nove de Julho University, Brazil (Local Time: 13:15-13:30)

- 18:30-18:45
Poster
Title: Treatment of Melasma with amberLED compared to tranexamic acid
Thais Rodrigues Galache, UNINOVE- Nove de Julho University, Brazil (Local Time: 13:30-13:45)
- 18:45-19:00
Poster
Title: The use of photobiomodulation in treatment of fibromyalgia
Ana Lucia Batista Aranha, University of Sao Paulo, Brazil (Local Time: 13:45-14:00)
- 19:00-19:15
Coffee Break: 15 mns
- 19:15-19:30
Poster
Title: Photobiomodulation therapy reduces levels of MMPs and TNF- α , controlling tissue degradation, promoting maintenance of cartilage resistance, in an experimental model of Rheumatoid arthritis.
Orlando Romano Neto, UNINOVE- Nove de Julho University, Brazil (Local Time: 14:15-14:30)
- 19:30-19:45
Poster
Title: Use of photobiomodulation on pre-dental anesthesia and its effects on anesthetic efficacy
Giovanna Fontgalland Ferreira, UNINOVE- Nove de Julho University, Brazil (Local Time: 14:30-14:45)
- 19:45-20:00
Poster
Title: Effects of photobiomodulation therapy on peripheral sensitivity in an experimental model of Neuropathy
Matheus Lopes Publio, UNINOVE- Nove de Julho University, Brazil (Local Time: 14:45-15:00)
- 20:00-20:15
Poster
Title: Evaluation of a clinical protocol of photodynamic therapy for endodontic treatment of deciduous teeth
Silvana Simões Velloso Schuler, UNINOVE- Nove de Julho University, Brazil (Local Time: 15:00-15:15)

Closing Ceremony

*We wish to meet you
again at our upcoming conference*

HOSTING ORGANIZATION

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