



**Linkin
Science**

Exploring & Connecting Science

Conference Program

3rd Edition of Virtual Online Conference on Advancements of Lasers, Optics and Photonics

September 01-02, 2021



HOSTING ORGANISATION

Linkin Science Pvt. Ltd

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Conference Program

DAY 1: Wednesday 1st September 2021 EDT Time Zone

- 09:00-09:30** Opening Session
Welcome Address
- 09:30-10:05** **Photonics in Radar and LiDAR Systems**
Keynote Paulo Pereira Monteiro, *University of Aveiro, Portugal* (Local Time: 14:30)
- 10:05-10:40** **Cryogenic Laser Technology**
Keynote David C Brown, *Fellow of The Optical Society of America, Advanced Photonic Sciences, USA* (Local Time: 10:05)
- 10:40-11:35** **Creating Materials with a desired Refraction Coefficient**
Keynote Alexander G. Ramm, *Kansas State University, USA* (Local Time: 07:40)
- 11:35-12:00** **Multi-Electron Trojan Wave Packets in the Circularly Polarized and the Magnetic Fields on the Multi-layer Langmuir Type (1) Trajectories in Helium Atoms and Quantum Dots**
Oral Session Matt Kalinski, *Utah State University, USA* (Local Time: 09:35)
- 12:00-12:25** **Application of lasers in phosphor material development for solid-state lighting**
Oral Session Hisham Menkara, *PhosphorTech Corporation, USA* (Local Time: 12:00)
- 12:25-12:50** **Experimental realization of chiral photonic lattices**
Oral Session Jadranka Vasiljevic, *University of Belgrade, Serbia* (Local Time: 18:25)
- 12:50-13:15** **Application of ultra-short pulse lasers in the restauration of historical stained-glass**
Oral Session Luis A Angurel, *University of Zaragoza, Spain* (Local Time: 18:50)
- 13:15-13:35** **Break Out Session/ Networking Lounge 20 mins**
- 13:35-13:50** **LED Photobiomodulation therapy combined with biomaterial as a scaffold promotes better bone quality in the dental alveolus in an experimental extraction model**
Poster Presentation Vanessa Dalapria, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 14:35)

- 13:50-14:05**
Poster Presentation
Effects of photobiomodulation on xerostomia in cancer patients undergoing oncological treatment. A randomized controlled clinical trial.
Susyane Oliveira, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 14:50)
- 14:05-14:20**
Poster Presentation
The effect of preemptive photobiomodulation with infrared LED to prevent pain, trismus and edema in impacted lower third molar teeth surgery: A controlled clinical trials, double-blind, randomized.
Erika Da Silva Mello, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 15:05)
- 14:20-14:35**
Poster Presentation
Research protocol application of diode laser in women with geniturinary menopause syndrome
Silvia Pereira, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 15:20)
- 14:35-14:50**
Poster Presentation
Evaluation of the efficacy of photodynamic therapy in the treatment of pericoronitis: A randomized, controlled, double-blind clinical trial.
Tania Schalch, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 15:35)
- 14:50-15:05**
Poster Presentation
Transcutaneous systemic photobiomodulation reduces lung inflammation in experimental model of asthma
Vanessa De Souza, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 15:50)
- 15:05-15:20**
Poster Presentation
Sistemic photobiomodulation therapy on vascular activity under experimental diabetes model
Jose Aguilera, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 16:05)

DAY 2: Thursday 2nd September 2021 EDT Time Zone

- 07:00-07:15** Welcome Address
- 07:15-07:50**
Keynote Presentation
High-Power Red/Green/Blue(Violet)-LDs Module for Vehicle White-Lighting Communication
Gong-Ru, *National Taiwan University, Taiwan*
Chih-Hsien Cheng, *The University of Tokyo, Japan* (Local Time: 19:15)

- 07:50-08:25**
Keynote **Microcavity Implosions for Generation of Ultrahigh Electric Fields and Megatesla Magnetic Fields**
Masa Murakami, *Osaka University, Japan* (Local Time: 20:50)
- 08:25-09:00**
Keynote **Lab-on-a-Chip and Nanotechnology, including Photonic Biosensors for point-of-care applications such as rapid COVID-19 detection**
Aurel Ymeti, *NanoBio Research Group, Saxion University of Applied Sciences & Nanoalmyona BV, Netherlands* (Local Time: 15:55)
- 09:00-09:20** **Break Out Session/ Networking Lounge 20 mins**
- 09:20-09:45**
Oral Presentation **Photonic entropy source based on semiconductor laser subject to optical perturbation**
Pramod Kumar, *QuantLase Lab, Abu Dhabi, UAE* (Local Time: 17:20)
- 09:45-10:10**
Oral Presentation **Metal-Insulator-Metal thin film stack: avoided crossing between stack modes giving rise to an output photon flux enhancement**
Georges Raseev, *Université Paris-Saclay, France* (Local Time: 15:45)
- 10:10-10:35**
Oral Presentation **Free standing 2D/3D nanostructures fabrication using Femto-second laser lithography**
Shobha Shukla, *Indian Institute of Technology(IIT- Mumbai), India* (Local Time: 19:40)
- 10:35-11:00**
Oral Presentation **Higher order polarized light in the optically medium**
Dipti Banerjee, *university of calcutta, India* (Local Time: 20:05)
- 11:00-11:20** **Break Out Session/ Networking Lounge 20 mins**
- 11:20-11:35**
Poster Presentation **Local (but not systemic) photobiomodulation treatment reduces mastcell degranulation, eicosanoids and Th2 cytokines in an experimental model of allergic rhinitis.**
Virginia Mendes Matias Rodrigues, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 12:20)
- 11:35-11:50**
Poster Presentation **Effects of systemic photobiomodulation on a cross-sectional area and muscle fiber diameter during the compensatory hypertrophy process in skeletal muscle.**
Valeria Souza, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 12:35)

- 11:50-12:05**
Poster
Presentation
- Treatment of vulgar acne with blue light: A systematic review**
Mara Diogo, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 12:50)
- 12:05-12:20**
Poster
Presentation
- Photobiomodulation therapy regulates the production of REACTIVE OXYGEN SPECIES (ROS) in an experimental model of CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)**
Cíntia Estefano Alves, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 13:05)
- 12:20-12:35**
Poster
Presentation
- Photobiomodulation therapy increases regulatory T cells by IL-10-dependent mechanism in allergic lung inflammation**
Tawany Goncalves Santos, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 13:20)
- 12:35-12:50**
Poster
Presentation
- Analysis of the psychopathological profile and cost-effectiveness of oral lichen planus patients treated with photobiomodulation**
Sergio de Sousa Sobral, *UNINOVE- Nove de Julho University, Brazil* (Local Time: 13:35)
- 12:50-13:05**
Poster
Presentation
- Photobiomodulation Therapy in Patients with COVID-19: Analysis of the Effects on Inflammatory Mediators**
Carlos Alberto Ocon, *University Ninth Of July UNINOVE, Brazil* (Local Time: 13:50)
- 13:05-13:25**
- Closing Ceremony**