



# WEBINAR Program

## V-Laser2021

Laser, Optics and Photonics **Virtual**

April 05 | 07:00 – 12:20 GMT

April 06 | 07:00 – 13:05 GMT



**April 05, 2021**

**GMT 07:00 – 12:20**

07:00 – 07:10

Introduction



## Plenary Sessions

Webinar  
Time Zone

Speakers  
Time Zone

07:10 – 07:50

09:10 – 09:50

Title: Photonic crystals from the definition to the future applications

**Arafa H Aly**, Beni-Suef University, Egypt.

07:50 – 08:30

16:50 – 17:30

Title: Vibration Distribution Measurements using Grating Projection Method with OPPA Method and using Sampling Moiré Method

**Yoshiharu Morimoto**, 4D Sensor Inc, Japan.

08:30 – 09:10

16:30 – 17:10

Title: Metasurface enhanced optical sensing

**Dao Hua Zhang**, Nanyang technological University, Singapore.

**09:10 – 09:15**

**Networking and Refreshments Break**



## Keynote Sessions

09:15 – 09:50

17:15 – 17:50

Title: Developing a promising optical sensor for biomedical application

**Wan Zakiah Wan Ismail**, Universiti Sains Islam Malaysia. Malaysia

09:50 – 10:25

17:50 – 17:25

Title: Temporally and Spatially Shaped Femtosecond Laser High Precision and High Efficiency Fabrication and its Applications

**Xin Li**, Beijing Institute of Technology, China.

10:25 – 11:00      12:25 – 13:00

Title: Direct Laser Patterning as possible route for regio-selective synthesis of semiconductor quantum dots in film

**Francesco Antolini**, ENEA Frascati, Italy.

11:00 – 11:35      19:00 – 19:35

Title: Exotic near-field photonics from moving & static complex dipoles

**Xiao Lin**, Zhejiang University, China.

11:35 – 12:10      08:35 – 09:10

Title: Photobiomodulation Improves Quality of Life, Wound Healing and Pain of Diabetic Patients

**Camila Squarzoni Dale**, University of São Paulo, Brazil

## Poster Presentation

12:10 – 12:20      15:10 – 15:20

Title: Review of the Unitary Quantum Theory

**Leo Georgy Sapogin**, Technical University MADI Moscow, Russia.

## End of Day One



**April 06, 2021 GMT 07:00 – 13:05**

07:00 – 07:10

Introduction

Webinar  
Time Zone

Speakers  
Time Zone



## Keynote Sessions

07:10 – 07:45

08:10 – 08:45

Title: Photonic and excitonic coupling in nanocrystal superstructures

**Peter Schall**, Photonic and excitonic coupling in nanocrystal superstructures, Netherlands.

07:45 – 08:20

15:45 – 16:20

Title: The study of multiwavelength laser array based on REC technique

**Renjia Guo**, Yancheng Teachers University, China.

08:20 – 08:55

08:20 – 08:55

Title: Full-wave modeling of thermal and luminescent sources: a modal approach

**Denis Tihon**, University of Cambridge, UK.

08:55 – 09:30

16:55 – 17:30

Title: Machine Learning Based Detection Technique of Object Open Angle and Direction

**Yang Yue**, Nankai University, China.

09:30 – 10:05

11:30 – 12:05

Title: Raman microscopy-based investigations: from proteins to cells identification and imaging

**Anna Chiara De Luca**, National Research Council, Italy.

10:05 – 10:40      18:05 – 18:40

Title: Satellite-to-ground optical communication system to Enhance Communications Reliability

**Hilal A Fadhil**, University Malaysia Perlis (UniMAP), Malaysia.

10:40 – 10:45

Networking and Refreshments Break



## Invited Sessions

10:45 – 11:05      07:45 – 08:05

Title: High-power lasers and their use for preventing enamel and dentin demineralization

**Patricia Aparecida da Ana**, Federal University of ABC, Brazil.

11:05 – 11:25      19:05 – 19:25

Title: Pulse dynamics in fiber lasers encountering strong nonlinearity

**Junqing Zhao**, Jiangsu Normal University, China.

11:25 – 11:45      19:25 – 19:45

Title: Optical Memory Effect: Its essence and range

**Honglin Liu**, Shanghai Institute of Optics and Fine Mechanics, CAS, China.

11:45 – 12:05      19:45 – 20:05

Title: Quantum cascade laser spectroscopy for gas sensing application

**Jingsong Li**, Anhui University, China.



## Plenary Sessions

12:05 – 12:45

08:05 – 08:45

Title: Rader Propagation, the Physical Metric in General Relativity and Size of Black Holes and Neutron Stars

**Yukio Tomozawa**, University of Michigan , USA.



## Invited Sessions

12:45 – 13:05

18:15 – 18:35

Title: Plasmonics fundamentals & Applications

**Nilesh Pathak**, Maharaja Agrasen College, University of Delhi.  
India.

## Closing Ceremony