

Webinar Program



Optics Virtual 2020

September 24, 2020

12:00-19:00 GMT

Theme: "Highlighting research trends in Lasers,
Photonics and Optics"

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12:00-12:10

Introduction

Keynote Presentations

Webinar Time Zone	Speakers Time Zone	
12:10-12:50	22:10-22:50	Title: Non-thermal pressures in extreme CPS laser pulses for alternative ignition of nuclear fusion Heinrich Hora , University of New South Wales, Australia
12:50-13:30	21:50-22:30	Title: Functional transillumination imaging of animal body with NIR light scattering Koichi Shimizu , Waseda University, Japan
13:30-14:10	20:30-21:10	Title: Linearized series structure design of metamaterial antenna applications with high characteristics performance Saktioto , University of Riau, Indonesia
14:10-14:50	16:10-16:50	Title: Practical enhancement of fiber installation and maintenance test tools - Example of extending OTDR distance range by optical preamplifier Adriana Lipovac , University of Dubrovnik , Croatia

Oral Presentations

14:50-15:10	16:50-17:10	Title: Optics, optical systems, new estimations from the optical equivalence principle and spectral analyses Orchidea Maria Lecian , Sapienza University of Rome, Italy
15:10-15:30	00:10-00:30	Title: Fundamental study on 2D elemental mapping of fuel debris materials using laser induced breakdown spectroscopy Munkhbat Batsaikhan , Tokyo Institute of Technology, Japan
15:30-15:50	23:30-23:50	Title: Dynamic parameter measurement of Ultra-Narrow-Linewidth lasers Ligang Huang , Chongqing University, China
15:50-16:10	17:50-18:10	Title: Devices and microsystems based on surface enhanced raman scattering: A powerful tool in oncology Francesco Dell'Olio , Polytechnic University of Bari, Italy

16:10-16:30	01:10-01:30	Title: The influence of Al-Graded undoped-AlGaN cladding layer's thickness on the operating voltages as well as on injection current of Ultraviolet-B laser diode M. Ajmal Khan , RIKEN Cluster for Pioneering Research, Japan
16:30-16:50	00:30-00:50	Title: Photoaligned ferroelectric liquid crystals: New materials for displays and photonics Vladimir G. Chigrinov , Hong Kong University of Science and Technology, Hong Kong
16:50-17:10	11:50-12:10	Title: Computer-aided diagnosis of five-class skin lesions Selene Solorza Calderon , Universidad Autonoma de Baja California, Mexico
17:10-17:30	19:10-19:30	Title: An innovative RAMI 4.0 compliant network design for predictive maintenance on automatic testing equipment Davide Cascella , GEM ICT srl, Italy
17:30-17:50	20:30-20:50	Title: Hard ZrBN-based transparent films for protection of optical devices Ph.V. Kiryukhantsev-Korneev , National University of Science and Technology "MISIS", Russia
17:50-18:10	23:20-23:50	Title: Optical mach zehnder interferometer sensors Prashant Bansilal Patel , DIT, India
18:10-18:30	23:50-00:10	Title: Wave-Particle Duality? Prashant Chauhan , Kaushal Teleportation Lab, India
18:30-18:50	19:30-19:50	Title: Effect of isobaric and isothermal ensemble on ZnO bonds a computational prediction Yahia Chergui , IGEE Institute Boumerdes University, Algeria
18:50-19:10	19:50-20:10	Title: Effect of buffer layer on CIGS solar cells: Numerical analysis Beddiaf Zaidi , University of Batna, Algeria

■ Poster Presentations

19:10-19:20 20:10-20:20 Title: Theoretical analysis of the structural and optoelectronic properties of trigonal and hexagonal Cs₃Sb₂I₉ compound

Saadi Berri, University of M'sila, Algeria

19:20-19:30 23:20-23:30 Title: Lasing polarization peculiarities in cholesterics separated by dye-doped polymeric layer

Tatevik Sarukhanyan, Yerevan State University, Armenia

Closing Ceremony



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