

VIRTUAL EVENT

FINAL PROGRAM



EUROPEAN LASERS, PHOTONICS AND OPTICS TECHNOLOGIES SUMMIT

22-23

SEPT 2021

| **Website:** <https://magnusconferences.com/optics-lasers-photonics/>

| **Email:** optics@magnusmeetings.com

| **Twitter:** @OpticsEvent

| **Facebook:** @OpticsEvent

GMT Timings	Local Timings	
10:00-10:10		Opening Ceremony
Keynote Presentations		
10:10-10:50	12:10-12:50	Title: A review of high-power femtosecond MID-IR laser systems for attosecond science and spectroscopy Mark J. Prandolini , Co-Founder of Class 5 Photonics GmbH, University of Hamburg, Germany
10:50-11:30	18:50-19:30	Title: Azodye nanolayers: Applications in E-paper and security films Vladimir G Chigrinov , Hong Kong University of Science and Technology, Hong Kong
11:30-12:10	19:30-20:10	Title: Nanoplasmonics enabled multi-dimensional optical multiplexing Xiangping Li , Jinan University, China
12:10-12:50	14:10-14:50	Title: Coherent radiation from inverse compton scattering sources by means of particle confinement in an optical lattice Arya Fallahi , ETH Zurich and IT'IS Foundation, Switzerland
Oral Presentations		
12:50-13:10	21:50-22:10	Title: Circular defect in photonic crystal (CirD) laser for intra-chip optical interconnects Masahiko Kondow , Osaka University, Japan
13:10-13:30	21:10-21:30	Title: Silicon photonic quantum walk processor Junjie Wu , National University of Defense Technology, China
13:30-13:50	21:30-21:50	Title: External cavity self-adaptive lasers assisted by distributed feedbacks Ligang Huang , Chongqing University, China
13:50-14:10	21:50-22:10	Title: Preparation and experimental studies on microfiber sensors Jin Li , Northeastern University, China

14:10-14:30	17:10-17:30	Title: Aberration-insensitive interferometric microscopy Andriy Shevchenko , Aalto University, Finland
14:30-14:50	20:00-20:20	Title: Highly sensitive early detection of breast cancer using surface plasmon resonance based fiber optic biosensor by shining gaussian beam: A wave theory based approach Nabamita Goswami , National Institute of Technology, India
14:50-15:10	20:20-20:40	Title: Low-power optogenetic control of high-frequency neural codes with single-spike resolution Sukhdev Roy , Dayalbagh Educational Institute, India
15:10-15:30	16:10-16:30	Title: Towards all-optical atom chips based on optical waveguides Yuri B. Ovchinnikov , National Physical Laboratory, UK
15:30-15:50	08:30-08:50	Title: Cell-type specific responses of cerebellar GABAergic neurons to photostimulation Victor Z Han , University of Washington, USA
15:50-16:10	17:50-18:10	Title: Plasmonic Sensors based on polymer waveguides Nunzio Cennamo , University of Campania Luigi Vanvitelli, Italy
16:10-16:30	17:10-17:30	Title: Robustness of wigner function negativity under the effect of the different physical parameters related to two coupled semiconductor quantum dots system Fatima Zahra Siyouri , Universit_e Mohammed V - Agdal, Morocco
16:30-16:50	18:30-18:50	Title: Designing a smart city infrastructure for luxury and disaster reduction Mohamed Hamdy Naeem , Arab Academy for Science, Egypt

16:50-17:10 19:50-20:10 Title: Small size and high sensitive GFRP mandrel based fiber optic hydrophone array

Emrah Ilbey, TOBB University of Economics and Technology, Turkey

17:10-17:30 18:10-18:30 Title: Performance evaluation of direct detection receivers in UWOC systems for different water types

Kandouci Chahinaz, Djillali Liabes University of Sidi Bel Abbas, Algeria

END OF DAY 1

Keynote Presentations

10:00-10:40	19:00-19:40	Title: Functional transillumination imaging of animal body with NIR light scattering Koichi Shimizu, Waseda University, Japan
10:40-11:20	18:40-19:20	Title: Non-zero dispersion-shifted fiber for optical orbital angular momentum communication Yang Yue, Nankai University, China
11:20-12:00	12:20-13:00	Title: Planar optical waveguide engineering using ultrafast laser plasma doping process Gin Jose, University of Leeds, United Kingdom

Oral Presentations

12:00-12:20	20:00-20:20	Title: Impacts of environmental parameters to underwater optical wireless communication system Shien Kuei Liaw, Taiwan Tech (NTUST), Taiwan
12:20-12:40	20:20-20:40	Title: Single photon imaging: Applications and challenges Songmao Chen, Chinese Academy of Sciences, China
12:40-13:00	20:40-21:00	Title: A sensitized way towards stable blue OLEDs Dongdong Zhang, Tsinghua University, China
13:00-13:20	18:30-18:50	Title: Analysis of instantaneous poynting vector for N-Layer Lossy optical waveguides and applications in the evanescently coupled optical devices Jagneet Kaur Anand, University of Delhi, India
13:20-13:40	09:20-09:40	Title: Excimer laser processing of ph and glucose sensing membranes for controlled drug delivery Erol Sancaktar, University of Akron, USA
13:40-14:00	15:40-16:00	Title: Developments and applications of the optical equivalence theorem Orchidea Maria Lecian, Sapienza University of Rome, Italy

14:00-14:20	11:00-11:20	Title: Microwave photonic techniques for 5G/6G fiber-wireless systems Ramon Maia Borges , National Institute of Telecommunications (Inatel), Brazil
14:20-14:40	17:20-17:40	Title: Solid-surface fluorescence of polycyclic aromatic hydrocarbons on the cellulose diacetate matrix Rogacheva Svetlana , Saratov Medical University "REAVIZ", Russian Federation
14:40-15:00	16:40-17:00	Title: Hybrid Brillouin/Rayleigh sensors for multiparameter distributed optical fiber sensors Aldo Minardo , Universita Della Campania Luigi Vanvitelli, Italy
15:00-15:20	16:00-16:20	Title: Comparison between total volume of ZnO wurtzite, rocksalt, and zinc blend structures under isobaric and isothermal ensembles a MD computation Yahia Chergui , Badji Mokhtar University, Algeria
15:20-15:40	08:20-08:40	Title: Correct accounting of gas kinetics in disks of spiral galaxies, explains non-Keplerian rotation curves and makes dark matter unnecessary Anton A. Lipovka , Sonora University, Mexico
15:40-16:00	18:40-19:00	Title: RGB port demultiplexer using polycarbonate core polymer optical fiber technology Dror Malka , Holon Institute of Technology (HIT), Israel
16:00-16:20	09:00-09:20	Title: Geometrical origin of quantization Anton A. Lipovka , Sonora University, Mexico
16:20-16:40	19:20-19:40	Title: Improving the fatigue of newly designed mechanical system subjected to repeated impact loading Seongwoo Woo , Addis Ababa Science & Technology University, Ethiopia

Poster Presentations

16:40-16:50 19:40-19:50 Title: Coupling orbital frequencies as a possible source of very fine radiations in the Universe

Gennady Kochemasov, IGEM RAS, Russian Federation

16:50-17:00 19:50-20:00 Title: Growth of breast cancer cells on laser-patterned surfaces

Maria Kandyla, National Hellenic Research Foundation, Greece

Thanking Note and Closing Ceremony

UPCOMING CONFERENCES

2nd Edition of

European Lasers, Photonics and Optics Technologies Summit

September 05-07, 2022 | Paris, France

QUERIES? CONTACT

+1 (702) 988-2320

or

optics@magnusmeetings.com

REGISTER TODAY AND GET THE MEETING ID TO JOIN

<https://magnusconferences.com/optics-lasers-photonics/register>