

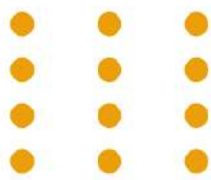
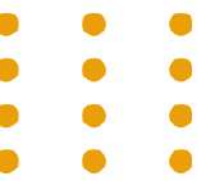


TENTATIVE PROGRAM
2nd EDITION OF EUROPEAN SUMMIT ON

ELOPS-2024

LASER OPTICS & PHOTONICS TECHNOLOGY


November 25-27, 2024 | Paris, France



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 <https://elops.org/>

 #3rd Floor, Shanthala Nagar,
Bengaluru, 560001

Day-1

November 25, 2024

09:00-09:15

On Spot Registration

09:15-09:30

Opening Ceremony

Plenary Speakers

Karsten Koenig (Conference Chair)

saarland university, Germany

Multimodal Multiphoton Tomography

Andreas Mandelis

University of Toronto, Canada

Invited Session

Break Out-1, Session-1

Mosavi Nelofar

Johns Hopkins University, APL, USA

The Space Journey from the Sun to Northern Lights

EDWARD S. FRY

Texas A&M University, USA

The Integrating Cavity for High Sensitivity Absorption Measurements

Bingsuo Zou

Guangxi University, China

Meng Shi

Chinese Academy of Sciences, Technology and Engineering Center for Space Utilization, China

Quantum Precision Measurement of Electric Field and Magnetic Field and Their Application in Space Science

Adam Miranowicz

Adam Mickiewicz University, Poland

Break Out-2, Session-2

Erik Baradit

University of Bío-Bío, Chile

Ilya Fine

ELFI-TECH Ltd, Israel

Observing Red Blood Cells Aggregation Phenomens through Optical Methods

Jorge Luis Camas Anzueto

Technological Institute of Tuxtla Gutiérrez, Mexico

Development of fiber optic sensors in the State of Chiapas, Mexico

Marco ANNI

University of Salento, Italy

Optical gas sensors based on perovskite nanocrystals with air sensitive Amplified Spontaneous Emission

Riccardo Meucci

CNR-INO, Italy

A dissipative approach to multistability in laser dynamics

Break Out-3, Session-3

Zhou Sha

Tianjin University, China

Disturbance pre-screening method of phase OTDR based on neighbor coherence analysis

Jin Li

Northwest A&F University, China

Microfiber Sensors Design based on Hollow Core Fibers

Luismar Barbosa da Cruz Junior

Federal Institute of Education, Science, and Technology of São Paulo, Brazil

Effect of human skin phototype on optical diagnostics and spectroscopy

Yifei Zhang

Shandong University, China

Surface Plasmon-Cavity Hybrid State at THz frequencies and Its Graphene Modulation

Masaki Asobe

Tokai University, Japan

Broadband optical parametric amplifier using periodically poled LiNbO₃

End of Day-1 Program

Day-2

November 26, 2024

Plenary Speakers

Chigrinov Vladimir

Hong Kong University of Science and Technology, Hong Kong

Liquid crystal photoalignment: a new technology for display and photonics devices

Haishan Zeng

University of British Columbia, Canada

Raman spectroscopy for breath analysis for lung cancer detection

Invited Session

Break Out-1, Session-4

Ryosuke HOMMA

Kyoto University, Japan

Adaptation of photonic technology in reclaimed water treatment

Eduardo F. Fernández

University of Jaen, Spain

Band-gap materials investigation towards high optical photovoltaic power transmission

Sarah Swisher

University of Minnesota, USA

Photonic Processing for Next-Generation Thin-Film Transistors and Devices

Xueying He

Chengdu BOE Optoelectronics Technology, China

A 12.3-inch Automotive AMOLED Display with Small Bending Radius

Ang-Yang Yu

Yantai Nanshan University, China

A Study of Fiber-Optic Fabry-Perot Strain

Break Out-2, Session-5

Nenad Stanojevic

Monash University, Australia

Soft and flexible photoplethysmography based on supercoiled polymer waveguides

Bin Mu

Northwestern Polytechnical University, China

Lamellarly Segregated Columnar Liquid Crystalline Alternating Copolymers with High Ambipolar Photoconductivities

Pargam Vashishtha

RMIT University, Australia

Self-powered broadband wavelength-selective 2D/3D heterojunction photodetector with polarity flipping capabilities.

Vijayan Asari

University of Dayton, USA

View-Agnostic Point Cloud Generation for Occlusion Invariance in Aerial Surveillance

Dashan Qin

Hebei University of Technology, China

the electronic principle of organic light-emitting diodes and its enlightenment on the device stability

Break Out-3, Session-6

Valentin Ion

National Institute for Lasers, Plasma and Radiation Physics (INFLPR), Romania

Nuno Ferreira

University of Aveiro, Portugal

Jiajun Fu

Nanjing University of Science and Technology, China

Cascaded Photon Confinement-Mediated Orthogonal RGB-Switchable NaErF₄-Cored Upconversion Nanoarchitectures for Logicalized Information Encryption and Multimodal Luminescent Anti-Counterfeiting

Nouf M. Almousa

Princess Nourah Bint Abdul Rahman University, Saudi Arabia

Hongpu Li

Shizuoka University, Japan

Generation and conservation of the orbital-angular-momentum modes in helical long-period fiber gratings

Shiqiang Xia

Henan Normal University, China

Higher-order Exceptional Points in Non-Hermitian Flatband Photonic Lattices

End of Day-2 Program

Day-3

November 27, 2024

Plenary Speakers

Zhongping Chen

University of California, USA

Jin U. Kang

Johns Hopkins University, USA

AI-Optical Imaged guided robotic Surgeries

Invited Session

Break Out-1, Session-7

Shady El-Monier

Arab Academy for Science, Technology and Maritime Transport, UAE

Wei Liu

School of microelectronics, China

Hongtao Li

Anhui University, China

Paitoon Rashatasakhon

Chulalongkorn University, Thailand,

Ahmed Galmed

Cairo University, Egypt

Qin Han

China

phototherapy in treating female low genital tract diseases

Break Out-2, Session-8

Runmei Gao

China

Thermal effect of Sesame passive mode-locked laser

E. Suhir

ERS Co, USA

FIBER OPTICS STRUCTURAL ANALYSIS (FOSA): PERSPECTIVE AND BRIEF REVIEW

Shatha A. Aldaghfag

Princess Nourah bint Abdulrahman University, Saudi Arabia

Aylin Yertutanol

Bilkent University, Turkey

High Precision Fiber Optic Gyroscope

Rafael Montanari

São Paulo State University, Brazil

Isaac Ohavi

Hebrew University of Jerusalem, Israel

Nimet IŞIK

Burdur Mehmet Akif Ersoy University, Turkey

Break Out-3, Session-9

Chet R. Bhatt

National Energy Technology Laboratory, USA

Iryna Goncharova

University of Angers, France

Laser-induced breakdown spectroscopy as innovative technique for water quality monitoring

Cuiying Dai

Changsha University of Science and Technology, China

Daniel Mostowski

Perspectiva solutions, Poland

Ningbo Liao

China

Xin Li

China

Huifang Deng

China

End of Day-3 Program