

Past Conference Report on Lasers, Optics and Photonics

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The 6th European Conference on Lasers, Optics and Photonics (Euro-Optics 2019) presented by EuroSciCon took place at Stockholm, Sweden during May 09-10, 2019. The two day program was thought provoking keynote and plenary presentations from experts in the field of Lasers, Optics and Photonics highlighting the theme, **“Demonstrating the fame of Lasers, Optics and Photonics in current world”**.

The meeting was carried out through various sessions, in which the discussions were held on the following major scientific tracks:

- Classical Optics
- Physical Optics
- Modern Optics
- Waveguide Optics
- Photonic Systems
- Organic Photonics
- Organic Lasers
- Atmospheric Optics
- Photonic Crystal Fiber
- Nano Photonics
- Biophotonics
- Laser Technology
- Laser Safety
- Optical Interferometers
- Optics & Lasers In Medicine
- Optical Physics
- Optical Communications & Networking
- Fiber Laser Technology
- Optical Imaging And Sensing
- Industrial Applications Of Laser
- Photonic Integrated Circuits
- Plasma Science

The highlights of the meeting were form the eminent keynote lectures from

- **Yukio Tomozawa, University of Michigan, USA**
- **Qiu- He peng, Nanjing University, China**
- **Houxiao Wang, Jiangsu University, China**

Title: Terahertz Light Emission and Lasing in Current-Driven Graphene-based 2D Nano- and Plasmonic-Structures
Taiichi Otsuji, Tohoku University, Japan

Title: The physical metric in general relativity, size of black holes and neutron stars and the existence of dark matter

Yukio Tomozawa, University of Michigan, USA

Title: Quantum Mechanics as the theory of relativity of the quantized matter

Eliade Stefanescu, Romanian Academy, Romania

Title: The origin of the existence of plasma according to twin physics

Anna Backerra, The Netherlands

Title: Laser Ablation in Organic Precursors and Atmospheric Plasma Polymerization: a Convenient Combination for Synthesis of Hybrid Antibacterial Coatings
Maxime Delmee, Luxembourg Institute of Science and Technology, Luxembourg

Title: Mid Infrared Optical fibers for Fiber Lasers: Fluoride glass Fibers

Mohammad Saad, Senior Scientist R&D department
Thorlabs Inc., USA

Title: Picometer scale bandwidth optical bandpass filtering in prism pair coupled planar optical waveguide
Jianhua Liu, Fudan University, China

Title: Experimental investigation and numerical analysis for water-based ultrasonic-assisted laser drilling and trepanning with/without magnetic assistance

Houxiao Wang, Jiangsu University, China

Title: The ideas on development of instability Igor V Lebed, Institute of Applied Mechanics-
Russian Academy of Science, Russia

Title: Design and analysis of a high accuracy bidirectional thermal deformable mirror

Ni lei, Southwest University of Science and Technology, China

Title: Implications for Discovery of Strong Radial Magnetic Field at the Galactic Center

Qiu- He peng, Nanjing University, China

Title: Information entropy in confined atomic systems
Amlan Kusum Roy, Indian Institute of Science Education and Research, India

Title: Analogies of magnetic effects on human muscles and on EZ water QFT calculation for free chiral electrons.
Experimental project

Claudio Verzegnassi, Association Medicine and Complexity (AMeC), Italy

Title: Does dark matter really exist?

Yukio Tomozawa, University of Michigan, USA

Title: Fluorescent nanoprobe for rapid biomarker mRNA detection at single cells

Yu Chen, Centre for Molecular Nanometrology-University

of Strathclyde Glasgow, UK

Title: Orbital space: probable systematic approach of satellite signal barriers

Uttam Banik, Bangladesh University of Professionals, Bangladesh

Title: A few calculation of receding moon from spherical kinetic dynamics, receding planetary orbits, and the quantization of celestial motions

Victor Christianto, Malang Institute of Agriculture (IPM), Indonesia

We would specially thank the Moderator of the **Anna Backerra, The Netherlands** for her contribution for the conference.

We are obliged to the various delegates from companies and institutes who actively took part in the discussions. We sincerely thank the Organizing Committee Members and Editorial board of Euro-Optics 2019 for their gracious presence and continuous support throughout the proceedings of this event. With the valuable feedback and generous response received from the participants of the event, EuroSciCon would like to announce the commencement of "**7th European Conference on Lasers, Optics and photonics**" during February 21-22, 2020 at Amsterdam, Netherlands.

Let us meet again @ [Euro-Optics 2020](#)

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