EuroSciCon Joint Event on

LASER OPTICS, QUANTUM & PLASMA PHYSICS



May 09-10, 2019
Sweden, Stockholm

https://plasmaphysics.euroscicon.com/
https://optics.euroscicon.com

EuroSciCon

Laser Optics and Plasma Physics 2019

Agenda Day 1: May 09, 2019

Hall Name: **Meeting Room 4+5**

08:00-09:00 **Registration**

09:00-09:30 Opening Ceremony

Keynote Forum

09:30-10:15 **Title: Terahertz Light Emission and Lasing in Current-Driven Graphene-based 2D Nano- and Plasmonic-Structures**
Taiichi Otsuji, Tohoku University, Japan

10:15-11:00 **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

Group Photo

Coffee Break: 11:00-11:20 @Conference lounge

11:20-12:05 **Title: Quantum Mechanics as the theory of relativity of the quantized matter**
Eliade Stefanescu, Romanian Academy, Romania

Session Introduction

Quantum Mechanism In Plasma | Plasma Medicine

Session Chair: **Eliade Stefanescu,** Romanian Academy, Romania

12:05-12:35 **Title: The origin of the existence of plasma according to twin physics**
Anna Backerra, The Netherlands

12:35-13:05 **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

Lunch Break: 13:05-14:05 @Restaurant

Special Session

Plasma Physics

14:05-14:50 **Title: Quantum scalar gravity, general relativity, quantum mechanics, the life force and multi-dimensional motion of objects within a cosmic scalar flow**
Timothy Fulton Johns, University of Temmessee Health Sciences, USA

Session Introduction

Fiber Laser Technology

Session Chair: **Mohammad Saad,** Senior Scientist R&D department Thorlabs Inc., USA

14:50-15:20 **Title: Mid Infrared Optical fibers for Fiber Lasers: Fluoride glass Fibers**
Mohammad Saad, Senior Scientist R&D department Thorlabs Inc., USA

15:20-15:50 **Title: Picometer scale bandwidth optical bandpass filtering in prism pair coupled planar optical waveguide**
Jianhua Liu, Fudan University, China.

15:50-16:20 **Title: Experimental investigation and numerical analysis for water-based ultrasonic-assisted laser drilling and trepanning with/without magnetic assistance**
Houxiao Wang, Jiangsu University, China

Video Presentation

Hydrodynamics

16:20-16:45 **Title: The ideas on development of instability**

Igor V Lebed, Institute of Applied Mechanics- Russian Academy of Science, Russia

Poster Presentation

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

Ni lei, Southwest University of Science and Technology, China

Coffee Break: 16:45-17:15 @Conference lounge

Panel Discussion

Day Ends

Agenda Day 2: May 10, 2019

Hall Name: Meeting Room 4+5

Keynote Forum

10:00-10:45 **Title: Implications for Discovery of Strong Radial Magnetic Field at the Galactic Center**

Qiu- He peng, Nanjing University, China

Coffee Break: 10:45-11:05 @Conference lounge

11:05-11:50 **Title: Information entropy in confined atomic systems**

Amlan Kusum Roy, Indian Institute of Science Education and Research, India

Session Introduction

Optics and Lasers in Medicine | Plasma Physics

Session Chair: Claudio Verzegnassi, Association Medicine and Complexity (AMeC), Italy

11:50-12:20 **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

12:20-12:50 **Title: Does dark matter really exist?**

Yukio Tomozawa, University of Michigan, USA

Lunch Break: 12:50-13:50 @Restaurant

Session Introduction

BioPhotonics| Geophysics

Session Chair: Claudio Verzegnassi, Association Medicine and Complexity (AMeC), Italy

13:50-14:20 **Title: Fluorescent nanoprobes for rapid biomarker mRNA detection at single cells**

Yu Chen, Centre for Molecular Nanometrology-University of Strathclyde Glasgow, UK

14:20-14:50 **Title: Orbital space: probable systematic approach of satellite signal barriers**

Uttam Banik, Bangladesh University of Professionals, Bangladesh

Video Presentation

14:50-15:20 **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

15:20-15:50 **Title: Rock wars-we can win with silicon**

Douglas R McCarter, McCarter Technology Inc, USA

Coffee Break: 15:50-16:20 @Conference lounge

Thanks Giving & Closing Ceremony

Day Ends

Agenda Day 3: May 11, 2019

Networking & Panel Discussion

Lunch Break: 12:30-13:30 @Restaurant

Day Ends



Mark your calender

6th EuroSciCon Conference on
Quantum and Plasma Physics

February 21-22, 2020
Amsterdam, Netherlands

Email: plasmaphysics@engineeringeuroscicon.com

Website: https://plasmaphysics.euroscicon.com/

7th European conference on
Lasers optics and photonics

February 21-22, 2020 | Amsterdam, Netherlands

Email: optics@engineeringeuroscicon.com

Website: http://optics.euroscicon.com