

9th International Conference on
**Optics, Photonics &
Lasers**

July 02-04, 2018 | Berlin, Germany



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<https://optics.physicsmeeting.com/>

Meeting Room- (Sylt 1-2)

conference**series.com** 08:30-09:00

Opening Ceremony

Keynote Forum

09:00-09:05 **Introduction**

09:05-09:40 **Title: Laser cooling of solids: Towards absolutely cold quantum nanoobject**

Andrei Ivanov, ITMO University, Russia

09:40-10:15 **Title: Experimental characterization and numerical simulation for ultrasonic-enhanced laser drilling/trepanning**

Houxiao Wang, Jiangsu University, China

Networking and Refreshments Break 10:15-10:30 @ Sylt Foyer

Group Photo 10:30-10:40

10:40-11:15 **Title: Thermo-mechanical effects in laser-matter interactions**

Chen-Wu Wu, Institute of Mechanics - CAS, China

Sessions: Photonics | Optical Imaging and Sensing | Optical Fiber | Lasers and Nonlinear Optics | Laser Systems | Quantum Optics | Nano and Quantum Sciences

Session Chair: Bruno Wacogne, FEMTO-ST Institute, France

Session Co-Chair: Günter Nimtz, Universität zu Köln, Germany

Session Introduction

11:15-11:40 **Title: Shaped laser pulses after optical fibers for selective multiphoton excitation of biomolecules**

Albrecht Lindinger, Freie Universität Berlin, Germany

11:40-12:05 **Title: Design of Fresnel lens for uniform LED lighting**

Seoyong Shin, Myongji University, South Korea

12:05-12:30 **Title: Toward calibration free ion sensing: A focus on fiber optic fluorescence pH sensor**

Bruno Wacogne, FEMTO-ST Institute, France

12:30-12:55 **Title: A high performance I/Q-interferometer using a polarizing beam displacer and its application to resolution refractive index sensor**

Kyuman Cho, Sogang University, South Korea

12:55-13:20 **Title: Simultaneous measurements of absorption, scattering, and refractive index parameters of mouse brain tissue by NIR structured illumination and models approximation**

David Abookasis, Ariel University, Israel

Lunch Break 13:20-14:10 @ Restaurant Rienäcker

14:10-14:35 **Title: On the universal tunneling time**

Günter Nimtz, University of Cologne, Germany

14:35-15:00 **Title: Dissipative soliton in VCSEL**

Jana Soumendu, Thapar Institute of Engineering and Technology, India

15:00-15:25 **Title: Scaling of sub-nanosecond gain-switched lasers to subjoule energy level**

Aleksandr Tarasov, Laseroptek Ltd., South Korea

Networking and Refreshments Break 15:25-15:40 @ Sylt Foyer

- 15:40-16:05** **Title: Fiber Bragg Grating (FBG) sensing technology and its application in thermal errors monitoring of CNC machine tools**
Ruiya Li, Wuhan University of Technology, China
- 16:05-16:30** **Title: Defect reduction of GaN growing on dome-shaped patterned - sapphire substrates**
Cheng Yen Chien, Graduate Institute of Electronics Engineering – NTU, Taiwan
- 16:30-16:55** **Title: Experimental studies on bright quantum states of light**
Bhaskar Kanseri, Indian Institute of Technology, Delhi, India

Panel Discussion

Day 2 July 03, 2018

Meeting Room- (Sylt 1-2)

Keynote Forum

- 09:00-09:05** **Introduction**
- 09:05-09:40** **Title: The optical properties of dichroic doped NCS glasses**
Sergey Klimosky, Lomonosov Moscow State University, Russia
- 09:40-10:15** **Title: Distributed acoustic sensors: Evolution and applications**
Ali Masoudi, University of Southampton, UK

Networking and Refreshments Break 10:15-10:30 @ Sylt Foyer

- 10:30-11:05** **Title: Distinct multi-physical effects of plasmonic metal nanostructures for high performance optoelectronic devices**
W C H Choy, The University of Hong Kong, Hong Kong

Young Researcher Forum

YRF Judge: Andrei Ivanov, ITMO University, Russia

- 11:05-11:20** **Title: Multi-photon self-error-correction hyperentanglement distribution over arbitrary collective-noise channels**
Cheng Yan Gao, Beijing Normal University, China
- 11:20-11:35** **Title: Stimulated Raman scattering in crystals and applications**
Christoph Zesch, University of Rome Tor Vergata, Italy
- 11:35-11:50** **Title: Non-Markovian entanglement dynamics of continuous measurement feedback open quantum system in structured bath**
Wei Jaing, Beijing Normal University, China
- 11:50-12:05** **Title: Entangling two distant high-Q microwave transmission lines assisted by a resonator terminated with SQUIDs**
Ming Li, Beijing Normal University, China
- 12:05-12:20** **Title: Effect of the number of primary lens level on the MTF of diffractive imaging system**
Dun Liu, Chinese Academy of Sciences, China
- 12:20-12:35** **Title: Entanglement state transmission without calibrate reference frame**
Peng Liang Guo, Beijing Normal University, China
- 12:35-12:50** **Title: Young's double-slit interference with two-color biphotons**
Shuang Wu, Beijing Normal University, China
- 12:50-13:05** **Title: Universal single-qubit non-adiabatic holonomic quantum gates in optomechanical systems**
Shan Shan Chen, Beijing Normal University, China

Lunch Break 13:05-13:55 @ Restaurant Rienäcker

Sessions: Latest Technologies in Photonics and Lasers | Applied Industrial Optics | Industrial Applications of Laser and Photonics | Optical Technologies

Session Chair: Andrei Ivanov, ITMO University, Russia

Session Co-Chair: David Abookasis, Ariel University, Israel

Session Introduction

- 13:55-14:20** Title: **Latest technologies in optical fiber lasers for sensing applications**
Rosa Ana Perez Herrera, Universidad Pública de Navarra, Spain
- 14:20-14:45** Title: **Miniaturized tunable QCL - lightsource for MID-infrared spectroscopy**
A Merten, Fraunhofer IPMS, Germany
- 14:45-15:10** Title: **Unambiguous ultrashort pulse reconstruction from double spectrograms alone**
Birger Seifert, Pontificia Universidad Católica de Chile, Chile
- 15:10-15:35** Title: **The study of natural anti-aging compounds using two-photon microscopy technique**
Gohar Tsakanova, Institute of Molecular Biology NAS RA, Armenia

Networking and Refreshments Break 15:35-15:50 @ Sylt Foyer

Session Introduction

- 15:50-16:15** Title: **Arc augmented laser technology for complex hull structures production in various spatial positions**
Nikolay A Nosyrev, JSC Shipbuilding & Shiprepair Technology Center, Russia
- 16:15-16:40** Title: **Electromagnetic drag and diffusion control**
Manuel I Marqués, IFIMAC - Universidad Autonoma de Madrid, Spain
- 16:40-17:05** Title: **Polarization control in optical waveguide via chirality**
Guy Stéphan, Université Lyon, France
- 17:05-17:30** Title: **Science in fiction**
Tina Matzat, Qbit Films, Germany

Poster Presentations 17:30- 17:45 @ Sylt Foyer

Poster Judge: Andrei Ivanov, ITMO University, Russia

- EOP001** Title: **Design of compact micro-reduction lens based on thin lens aberrations**
Kuang Lung Hunag, MingDao University, Taiwan
- EOP002** Title: **Novel transmission properties of planar optical waveguide cladded in prism pair**
Jianhua Liu, Fudan University, China
- EOP003** Title: **Power conversion efficiency of solar-pumped solid-state 4-level lasers**
Sascha Wallentowitz, Pontificia Universidad Católica de Chile, Chile

Panel Discussion

Award Ceremony & Certificate Distribution

Day 3 July 04, 2018

Networking Lunch 12:30-13:30 @ Restaurant Rienäcker

Bookmark your dates

11th International Conference on

Optics, Photonics & Lasers

July 04-05, 2019 Valencia, Spain

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