



SCIENTIFIC PROGRAM



13th International Conference on
OPTICS, LASERS & PHOTONICS
May 13-14, 2019 Tokyo, Japan

CONFERENCE SERIES LLC LTD

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Day 1 May 13, 2019

08:30-09:00 Registrations

Conference Hall

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09:00-09:15

Opening Ceremony

Keynote Forum

09:15-09:30 Introduction

09:30-10:30 **Title: Progress in High Tc Superconductor Bulk MgB₂ : Super-magnets**

Muralidhar Miryala, Shibaura Institute of Technology, Japan

Group Photo

Networking and Refreshments Break: 10:30-10:50

10:50-11:50 **Title: Sustainability of the Human Race**

John E. Rosebush, Worldwide Development Corporation, USA

11:50-12:50 **Title: Study the quantum coherence induced transparency of two separate light beams in atomic vapor**

Hong Gao, Xi'an Jiaotong University, China

Lunch Break: 12:50-13:40

Special Session

13:40-14:30 **Title: Development of New Class of IG Processed YBa₂Cu₃O_y Super-Magnets**

Sushma Miryala, Seisen International School, Japan

Session: Laser Systems | Optical Communications and Networking | Quantum Science and Technology | Technologies in Lasers, Optics and Photonics

Session Introduction

14:30-15:10 **Title: Spectroscopic studies on Er³⁺-doped Al(PO₃)₃-BaF₂-SrF₂ fluorophosphate glasses**

K. Linganna, Korea Photonics Technology Institute (KOPTI), Republic of Korea

15:10-15:50 **Title: Quaternion algebra on 4D superfluid quantum space-time**

Valeriy I. Sbitnev, Petersburg B. P. Konstantinov Nuclear Physics Institute, Russia

15:50-16:10 **Title: High extraction efficiency, nanosecond bidirectional ring amplifier with twin pulses**

Xiao Yuan, Soochow University, China

Networking and Refreshments Break: 16:10-16:30

Young Research Forum

16:30-17:00 **Title: Thermal influence in the process of self-assembly of quantum dots by quasi-resonant laser radiation**

Viktor A. Tkachenko, Siberian Federal University, Russia

Day 1 Ends

Award Ceremony

Day 2 May 14, 2019

Conference Hall

Session: Optical Physics | Optical Fiber | Applications and Trends in Optics and Photonics | Fiber Laser Technology | Optoelectronics

Session Introduction

09:30-10:10 **Title: Challenge to the Black Hole Model of quasars and Active Galactic Nuclei**

Qiuhe Peng, Nanjing University, China

10:10-10:50 **Title: Pillars of laser safety in the Laboratory**

Ken Barat, CLSO, Laser Safety Solutions, USA

Networking and Refreshments Break: 10:50-11:10

11:10-11:50 **Title: Investigation of influence factors and their impacts on underwater laser ranging system**

Xin Wang, Monash University, Malaysia

11:50-12:30 **Title: 2D Photonic Crystal Band Gap Structures of Optical Communications**

Mayur Kumar Chhipa, K L University, India

Lunch Break: 12:30-13:30

Award Ceremony