conferenceseries LLC Ltd

# Tentative Program

10th International Conference and Exhibition on

# Lasers, Optics & Photonics

November 26-28, 2018 Los Angeles, USA

*Theme: "An insight into the Recent Research and cutting-edge Technologies in Lasers, Optics and Photonics"*




## **For Available Speaker Slots**

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# Welcome Message



**Prof. Manijeh Razeghi**
CQD Director, Northwestern University, USA

## Dear Colleagues and Friends,

On behalf of Conferenceseries.com, it is my pleasure to invite all the great scientists, academic people, industrialists as well as researchers from all over the world to attend the 10th International Conference and Exhibition on Lasers, Optics & Photonics which is going to take place in Los Angeles, USA during November 26 -28, 2018 widely known as Optics 2018 Los Angeles.

This conference first started in 2013 and was held in San Antonio, Texas, USA. It was then held in 2014 in Philadelphia, Pennsylvania, USA, in Valencia, Spain in 2015, and Atlanta, Georgia, USA in 2016. Continuing four back to back years of tremendous successes we received a huge response for Optics 2017 which was held in Las Vegas, Nevada, USA. This conference gained immense interest with the colossal and exuberant presence of adept, young and brilliant researchers, business delegates and talented student communities representing more than 22 countries and had almost 80 Oral talks, 15 Young Researchers talk & 10 poster presentations. With this huge gathering, Optics 2017 went on to become the most massively successful event since 2013. Based on the 5-year history of strong success of this series of Optics conferences and the great insight into the recent research and cutting edge technologies related to Lasers, Optics & Photonics a new conference will be held in 2018.

The Optics 2018 meeting's goal is to bring together, once-more, a multi-disciplinary group of scientists and engineers from all over the world to present and exchange break-through ideas relating to the applied physics and applications of light and matter interactions. It seeks to promote top-level research and to globalize quality research in general, thus making discussions, presentations more internationally competitive and focusing attention on the recent outstanding achievements in the field of lasers, optics and photonics, and future trends and needs.

We're looking forward to another excellent meeting with great scientists from different countries around the world and sharing new and exciting results in Lasers, Optics and Photonics, which will be held in Los Angeles from November 26 -28, 2018. Do not miss out on taking part in this exciting event.

**Best Regards,**
**Prof. Manijeh Razeghi**

Conference Chair
Director, Center for Quantum Devices
EECS Department, Northwestern University, USA
URL: http://cqd.eecs.northwestern.edu

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## Keynote Talks

**Title:** Updated Advances in Micrographic Analyses of Select Photonically Responsive Natural Silicates
**Michelle R. Stem,** *Complete Consulting Services* **, USA**

**Title:** Propagation of Ultra-Short Infrared Pulses Through Lossy, Turbulent Air
**Thomas J. Karr,** *DARPA/STO* **, USA**

**Title:** InAs/InP Quantum Dot Lasers and Applications in Data Center
**Jiaren Liu**, *National Research Council of Canada,* **Canada**

## Featured Speakers

**Title:** Generation of arbitrary axisymmetrically polarized pulses with a broadband spectrum using Pancharatnam–Berry phase
**Ryuji Morita,** *Hokkaido University* **, Japan**

**Title:** Embedding the photon with its relativistic mass as a particle into the electromagnetic wave explains the Gouy phase shift as an energetic effect
**Konrad Altmann,** *LAS-CAD GmbH* **, Germany**

**Title:** Interatomic potentials, atom energy and screening constants
**Caterina Gaudiuso,** *Università degli Studi di Bari* **, Italy**

**Title:** Recent Progress on Localized Field Enhanced Two-dimensional Material Photodetectors from Ultraviolet-Visible to Infrared
**Weida Hu,** *Chinese Academy of Sciences* **, China**

**Title:** Parabasal Formulas and their Applications
**Sunggoo Cho,** *Semyung University* **, South Korea**

**Title:** Control of Rubidium 5S-5P-5D two photon excitation
**Ayan Ray,** *Variable Energy Cyclotron Centre* **, India**

**Title:** Fluorescence lifetime measurements with high optical resolution using time-resolved nonlinear fluorescence microscopy constructed of a pump-probe setup
**Fumihiro Dake ,** *Nikon Corporation* **, Japan**

**Title:** Significant suppression of Rayleigh scattering loss in silica glass formed by the compression of its melted phase
**Madoka Ono,** *AGC Research Center* **, Japan**

**Title:** Young's double-slit interference with nondegenerate biphotons
**Jun Xiong,** *Beijing Normal University* **, China**

**Title:** Measurement Technologies of Few-Mode Fiber
**Takashi Matsui,** *NTT Corporation* **, Japan**

**Title:** Generation of single-frequency lasers and nonclassical states at 1.5 μm
**Kuanshou Zhang,** *Shanxi University,* **China**

**Title:** Deterministic phase measurements exhibiting super-sensitivity and super-resolution
**Clemens Schäfermeier,** *Attocube systems AG* **, Germany**

**Title:** Dynamics of Ultrastrong Coupling Hybrid-State between Dye Molecules and Surface Plasmon Polaritons
**Hai Wang,** *Jilin University* **, China**

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**Title:** Detecting temporal signal via second order correlation: achieve fast signals via a slow detector and more
**Liu Weitao,** *Natioanl University of Defense Technology* , **China**

**Title:** Technique of Selective and Tunable Wavelength Conversion Employing Quasi-Phase Matched Lithium Niobate Devices with Dual Pump Configuration
**Yutaka Fukuchi,** *Tokyo University of Science* , **Japan**

**Title:** Non-Markovian entanglement dynamics of open quantum system with continuous measurement feedback
**Guojian Yang,** *Beijing Normal University* , **China**

**Title:** Backscattering induced by rotation rate in a dispersion assisted microresonator
**Xiao Zhisong,** *Beihang University* , **China**

**Title:** High-spectral-efficiency optical transmission with high-order QAM and probabilistic shaping
**Seiji Okamoto,** *NTT corporation* , **Japan**

**Title:** Improvement in Error Propagation in the Shack-Hartmann type Zonal Wavefront Sensors
**Biswajit Pathak,** *Indian Institute of Science Education and Research* , **India**

**Title:** Geopotential Determination Using Remote Laser Time Transfer Comparison
**WenBin Shen,** *Wuhan University* , **China**

**Title:** Laser-induced Plasma Spectroscopic Analysis of Nano samples
**Sania Saleem,** *Institute of Space Technology* , **Pakistan**

**Title:** Self photopumped X-ray laser at 13.4 nm driven by intense pump laser interacting with nanostructured Sn target
**E.P. Ivanova,** *Institute of spectroscopy of RAS* , **Russia**

**Title:** Design of a high-efficiency narrow spot headlampwith distributed LEDs
**Guo-Dung Su,** *National Taiwan University* , **Taiwan**

**Title:** Optical properties of as-grown and annealed GaAs/GaAsBi single quantum well structures grown by Molecular Beam Epitaxy
**Haifa Mohammed Alghamdi,** *The University of Nottingham* , **UK**

**Title:** New color centers in diamonds: prospects of application
**Kirill Nikolaevich Boldyrev,** *Institute of Spectroscopy of the Russian Academy of Sciences* , **Russia**

**Title:** Quantum Information Processing with Surface Acoustic Waves
**Mohammadali Salari,** University of Cologne, **Germany**

**Title:** Ferroelectric localized field enhanced ZnO nanosheet ultraviolet photodetector with high sensitivity and low dark current
**WANG PENG,** *Shanghai Institute of Technical Physics* , **China**

**Title:** New Deep-Ultraviolet Fluorooxoborates Nonlinear Optical Materials without Layered Growth
**Shilie Pan,** *Chinese Academy of Sciences* , **China**

**Title:** Tunable dispersion filters based on the small particles-liquid crystal system
**Tahir Ibrahimov,** *Azerbaijan National Academy of Sciences* , **Azerbaijan**

**Title:** Emerging nonlinear dynamics in quantum cascade lasers
**Cheng Wang,** *ShanghaiTech University,* **China**

**Title:** Suppressing 1.06-μm spontaneous emission of Neodymium ions using a novel tellurite all-solid photonic bandgap fiber
**Tong Hoang Tuan,** *Toyota Technological Institute* , **Japan**

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**Title:** InP-based InGaAs(Bi,P) materials and optoelectronic devices
**Yi Gu,** *Chinese Academy of Sciences* , **China**

**Title:** The Asian dust and agricultural biomass burning aerosol from the ground-based Lidar and satellite measurements in China: transport, optical properties and impacts on regional air quality
**Yong Han,** *Sun Yat-Sen University* , **China**

**Title:** Mid-infrared Single InAs Nanowire Metal-Semiconductor-Metal Photodiodes
**Hehai Fang,** *Chinese Academy of Sciences* , **China**

**Title:** Nanowire-on-Nanowire: All-nanowire Electronics by On-demand Selective Integration of Hierarchical Heterogeneous Nanowires
**Jinwoo Lee,** *Seoul National University* , **South Korea**

**Title:** Electron-induced degradation of J-V characteristics of GaInP top cell and GaAs middle cell by electroluminescence measurements
**Wang Junling,** *Beijing Normal University* , **China**

## 12 Speaker slots & 4 Keynote slots available



# Major Scientific Sessions

- Laser Systems
- Optics and Lasers in Medicine
- Optoelectronics
- Optical Communications and Networking
- Advancements in Photonics
- Quantum Science and Technology
- Technologies in Lasers, Optics and Photonics
- Nanophotonics and Biophotonics
- Applications and Trends in Optics and Photonics
- Fiber Laser Technology
- Optical Physics
- Optical Fiber
- Surface Enhanced Spectroscopy (SES)
- Optical Metrology

## Best Poster Award



- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates



## Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

General Queries

**Email: opticsusaconference@gmail.com**






## Conference Venue
# Los Angeles, USA

The city of  Los Angeles is a sprawling Southern California city and the centre of the nation's film and television industry. This city is that the most populous city in California. This city is also known as L.A , and nicknamed the "City of Angels". The city is encircled by huge mountain ranges, valleys, forests, stunning beaches on the Pacific Ocean, and close desert. This city is that the second-most populous metropolitan city in the United States and residential to over seventeen million folks that hail from all parts of the world. The city of Los Angeles is huge. This city is a crucial centre of culture, medicine, agriculture, business, finance, energy, aerospace, science, food process, media, international trade, and commercial enterprise. International tourists regard Los Angeles as most renowned for "Hollywood," however a long-running trend in favour of outsourcing of film and TV production has critically undermined the arena to the purpose wherever entertainment and media use only regarding 120,000 folks within the entire metro space (and most of them add horticulturist or Culver City, not Hollywood). Several major show deals and premieres still occur in Los Angeles; however the overwhelming majority of these films are literally shot elsewhere. However, some post-production, editing, promotion, distribution, and archiving work still happens in L.A. additionally, L.A. remains a significant centre for production of TV shows and TV commercials, as well as music recordings.

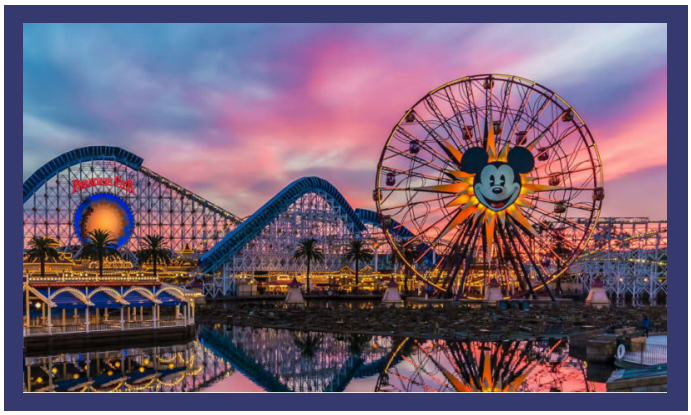
# Tourist Destinations in Los Angeles, USA



Academy Museum



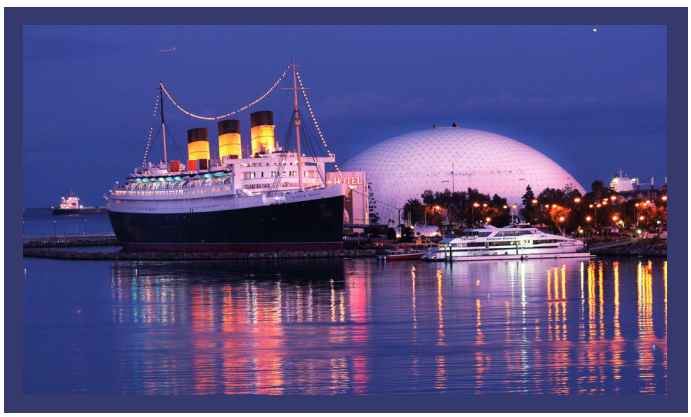
County Museum



Disneyland



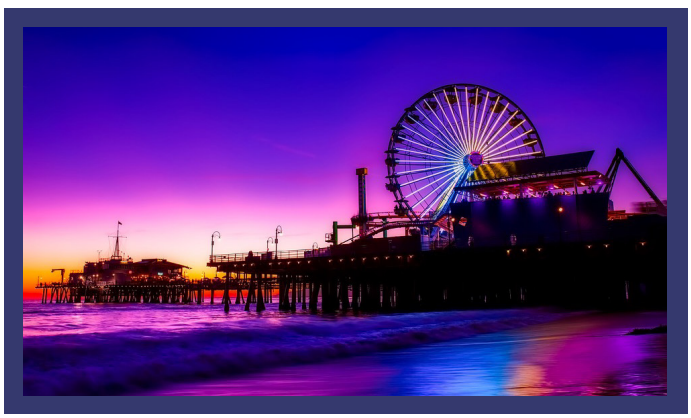

Hollywood Sign



Long Beach




Los Angeles Zoo



Santa Monica




Madame Tussauds Hollywood

# *Glimpses of Optics 2017*













