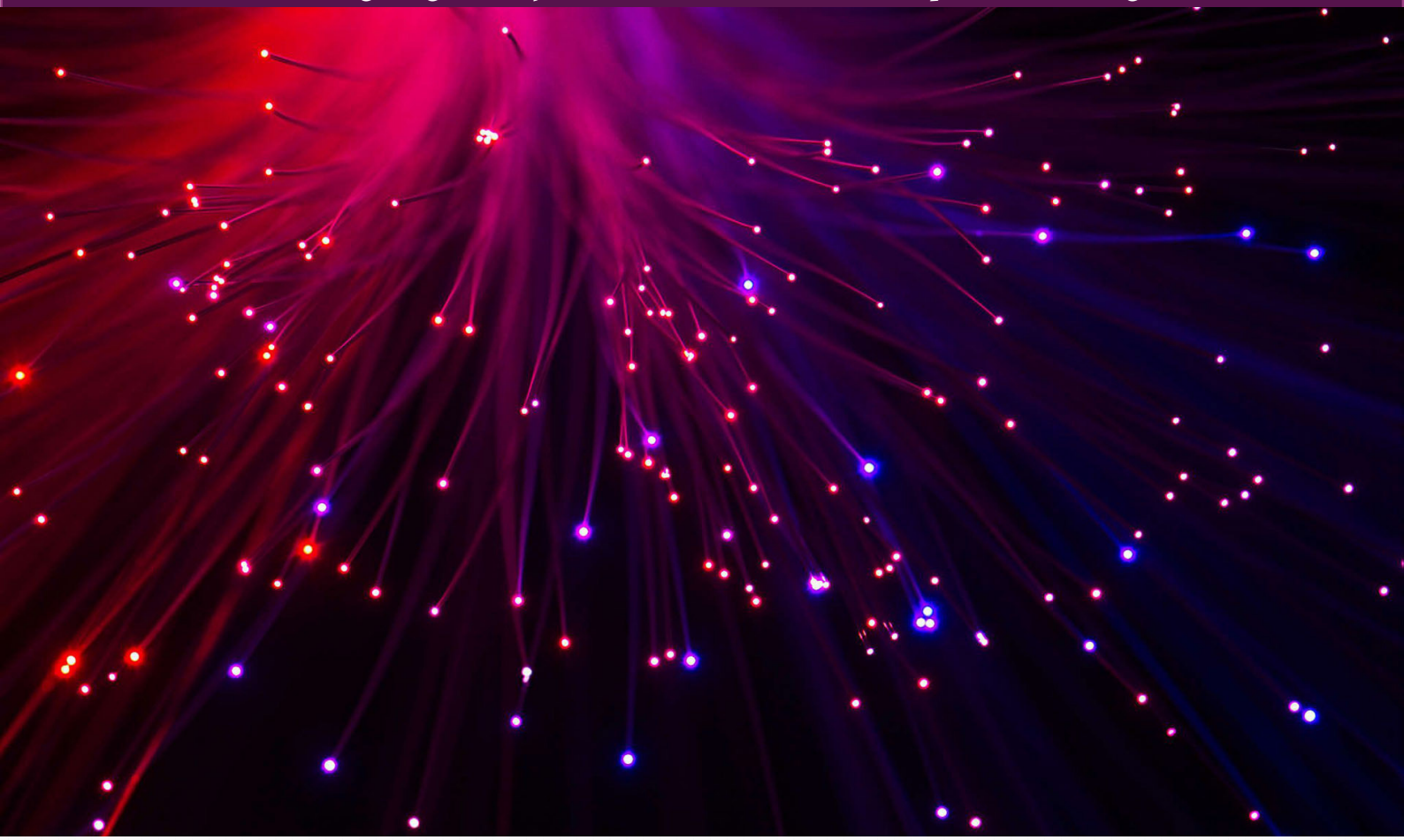
Tentative Program

7th International Conference on

Laser and Optics

Milan, Italy July 31-August 02, 2017

Theme: *Lighting the way towards Laser Science and Optical Technologies*



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

For available speaker slots

lasertech@conferenceseries.com

Program at a Glance

Day 1

Reception/Registration	08.00-09.00	
	Time	General Session
Morning Sessions	09.00-09.15	Inaugural Address
Least of 3 Keynote/Plenary Talks	09.15-09.45	Keynote/Plenary Talk 1
	09.45-10.15	Keynote/Plenary Talk 2
	10.15-10.45	Keynote/Plenary Talk 3
Panel Discussions/Group Photo		
Coffee/Tea Break 10.45-11.00 (Networking)		
11.00-12.40	Laser Optics|Laser Types	
	5 Speakers (20 Mins Each)	
Lunch Break 12.40-13.30		
Evening Sessions 13.30-15.30	Laser Pulses|Solid State Lasers	
	6 Speakers (20 Mins Each)	
Coffee/Tea Break 15.30-15.45 (Networking)		
15.45-17.25	Laser Diodes & Sensors	
	5 Speakers (20 Mins Each)	

19 Speakers for Day 1

Day 2

	Time	Session 1	Session 2
Morning Sessions 09.00-10.40		Semiconductor Lasers	
		5 Speakers (20 Mins Each)	
Coffee/Tea Break 10.40-10.55 (Networking)			
10.55-12.35		Laser Applications	
		5 Speakers (20 Mins Each)	
Lunch Break 12.35-13.25			
Evening Sessions 13.25-15.05		Optical Communications|Optoelectronics	
		5 Speakers (20 Mins Each)	
Poster Sessions			
15.20-17.00		5 Speakers (20 Mins Each)	

20 Speakers on Day 2

Day 3

	Time	Session 1	Session 2
Morning Sessions 09.00-10.40		Optical Nanomaterials	
		5 Speakers (20 Mins Each)	
Coffee/Tea Break 10.40-10.55 (Networking)			
10.55-12.35		Optical Networking|Adaptive Optics Progress	
		5 Speakers (20 Mins Each)	
Lunch Break 12.35-13.25			
Evening Se 13.25-15.05		Application of Optics	
		5 Speakers (20 Mins Each)	
Coffee/Tea Break 15.05-15.20 (Networking)			
15.20-17.00		Future Trends in Laser & Optics	
		5 Speakers (20 Mins Each)	

20 Speakers on Day 3

Awards & Closing Ceremony

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

Keynote Sessions

Title: Title: High-internal-efficiency quantum cascade lasers: The road to mid-infrared lasers of 40 % CW wall-plug efficiency
Dan Botez, *University of Wisconsin-Madison, USA*

Title: Quantum neural network for combinatorial optimization and Boltzmann sampling
Yoshihisa Yamamoto, *Japan Science and Technology Agency, Japan*

Title: Twisted and turned layers – no problem for ITE (Immersion Transmission Ellipsometry)
Carl C Jung, *CCJ Software, Germany*

Title: Generation of mathieu-gauss beams with an intra-cavity spatial light modulator
Shu-Chun Chu, *National Cheng Kung University, Taiwan*

Title: III-V Nanowire Arrays as a Platform for Photovoltaics, Solid State Lighting and Electronics
Bernd Witzigmann, *Kassel University and CINSaT, Germany*

Title: Design and implementation of er/yb co-doped fiber lasers
Shien-Kuei Liaw, *National Taiwan University of Science and Technology, Taiwan*

Title: Compact wavelengths splitters and TE/TM polarization splitters in LiNbO3 photonic wires
Ming Chen, *Xi'an University of Posts & Telecomunnications, China*

Featured Speakers

Title: Optics of photonic liquid crystals at frequencies of localized modes
V. A. Belyakov, *Landau Institute for Theoretical Physics, Russia*

Title: Petabyte Optical Disc and data storage challenge,
Eugen Pavel , *Storex Technologies, Romania*

Title: A possible approach to quantum computation by using classical optical fields modulated with pseudorandom phase sequence
Jian Fu, *Zhejiang University, China*

Title: Mitigating transmitter non-linearity and fiber impairments in Radio over Fiber technology
Dhananjay Manohar Patel, *Sardar Vallabhbhai National Institute of Technology, India*

Title: Nondestructive readout of Bessel holograms in external magnetic field
Rafael Drampyan, *Institute for Physical Research, Armenia*

Title: Towards spin-photon interface for NV color center in diamond
Alexey Akimov, *Texas A&M University, USA*

Title: Instantaneous frequency measurement of microwave signals using a "frequency-amplitude" conversion in the fiber Bragg grating and the method of additive frequency offset,
Oleg G Morozov, *KNRTU-KAI, Russia*

Title: Demonstration of on-chip Forward stimulated Brillouin Scattering
Junqiang Sun, *Huazhong University of Science and Technology, China*

Title: View angle matching spectra for motion detection from photonic quantum ring lasers of 3D whispering mode like the resonance in Batistery near the Duomo di Pisa
O'Dae Kwon, *Pohang University of Science and Technology, Korea*

Title: Label free bio detection using nanohole array structure
Jae Eun Jang, *Daegu Gyeongbuk institute of science and technology, Korea*

Title: Photonic generation and processing of wideband radio frequency signals in radar system
Fangzheng Zhang, *Nanjing University of Aeronautics and Astronautics, China*

Title: Dual-band infrared plasmonic metamaterial absorber for ultrasensitive refractive index sensing applications
Yongzhi Cheng, *Wuhan University of Science and Technology, China*

Title: Interparticle coupling effects of two quantum dots system on the transport properties of a single plasmon
Nam-Chol Kim, *Kim Il Sung University, Korea*

Title: Study of H fields using higher order compact finite difference method in various semi-conductor rib wave guide structures for efficient wave propagation
Sucharita Bhattacharyya, *Guru Nanak Institute of Technology, India*

Title: Multifrequency diagnostics of the CO2 laser active medium
Arshinov, *National Academy of Sciences of Belarus, Belarus*

Title: General analytic solutions to the various forms of the Nonlinear Schrödinger Equation using the Jacobi elliptic function expansion method
Nikola Z. Petrović, *University of Belgrade, Serbia*

Title: Nanostructured GaN light-emitting diodes on unusual substrates and blue light enhancement by surface plasmon resonance
Jun Hee Choi, *Samsung Electronics, South Korea*

Title: Progress on Microwave Photonic Signal Processing and Transmission
Mingshan Zhao, *Dalian University of Technology, China*

Title: Effect of hematoporphyrin monomethyl ether-mediated photodynamic therapy on hypertrophic scar fibroblasts
Hong CAI, *Air Force General Hospital, China*

Title: Understanding laser materials processing: the dichotomy between laser damage and laser machining
Manyalibo J. Matthews, *Lawrence Livermore National Laboratory, USA*

Title: The random fiber lasers and their applications
Xiaoyi Bao, University of Ottawa, *Canada*

Title: A portable laser heterodyne radiometer for measurements of co2 and ch4 in the atmospheric column
Emily Wilson, *NASA Goddard Space Flight Center, USA*

Title: Efficient lasing at localized modes in photonic liquid crystals
3. V.A.Belyakov, *Landau Institute for Theoretical Physics, Russia*

Title: Carbon monoxide laser on extra-high vibrational transitions
Andrei Kotkov, *P.N. Lebedev Physical Institute of the Russian Academy of Sciences, Russia*

Title: Dynamics of lithium atom photoionization by ultrashort photo-pulse
Alla A. Mityureva
Saint Petersburg State University, Russia

Title: Chirped axicon Gaussian laser-induced electron acceleration in vacuum
Niti Kant, *Lovely Professional University, India*

Title: Frequency conversion of slab Q-switched CO laser with RF discharge pumping in ZnGeP2 crystal
Andrey Kozlov, *P.N. Lebedev Physical Institute of the Russian Academy of Sciences, Russia*

Title: Recent development in vortex and LG 01-mode Ti:Sapphire laser
Jianlang Li, *SIOM, CAS, China*

Title: Forward-backward asymmetry of photoemission in C60 excited by few-cycle laser pulses
Phuong Mai Dinh , *University Paul Sabatier, France*

Title: Photonic microwave mixing using semiconductor lasers at period-one nonlinear dynamics
Sheng-Kwang Hwang, *National Cheng Kung University, Taiwan*

Title: Infrared laser system through mixing molecular gas lasers
Andrei Kotkov, *Lebedev Physical Institute of the Russian Academy of Sciences, Russia*

Title: Compensation for the orbital angular momentum of a vortex beam in turbulent atmosphere by adaptive optics
Xiuxiang Chu, *Zhejiang Agriculture and Forestry University, China*

Title: Cylindrical vector beams and optical vortex generation in fiber based on acoustically-induced grating
Wending Zhang, *Northwestern Polytechnical University , China*

Title: Injection-Seeded ring cavity resonant ppmgln optical parametric oscillator with 3.3μm output
Xiaolei Zhu, *Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China*

Title: Development of 100W-class Solar-pumped Laser system
Tomomasa Ohkubo, *Tokyo University of Technology, Japan*

Title: Compact chemical oxygen iodine laser sources: Future perspective
Mainuddin, *Jamia Millia Islamia University, India*

Title: High-speed video analysis of plasma behavior and estimation of laser absorption in internal processing of glass by femtosecond laser
Etsuji Ohmura, *Osaka University, Japan*

Title: Petawatt femtosecond laser pulse interaction with target
Sargis Ter-Avetisyan, Institute of Basic Science (IBS), South Korea

Title: Development of a high-speed two-photon laser scanning microscope with an acquisition rate up to 180 frames per second
Ho Lee, *Kyungpook National University, South Korea*

Title: Synthesis and applications of luminescent nanomaterials
S.P. Khatkar, *Maharshi Dayanand University, India*

Title: Coupling equations method in twist oriented nematic liquid crystal L. S. Aslanyan
Yerevan State University, Armenia

Title: A novel PAPR reduction technique based on frequency modulation of ofdm signal to form a constant envelope for visible light communication system using leds in indoor applications
Vinay Kumar Singh, *Sardar Vallabhbhai National Institute of Technology, India*

Title: Design of 1x8 wavelength mmi demltiplexer based on slot silicon-gallium nitride waveguide structures
Dror Malka, *Holon Institute of Technology (HIT),, Israel*

Title: Influence one the luminescent properties laser dyes of the degree of overlap of the absorption spectra of Nps Ag and fluorescence spectra
Aitbek Aimukhanov , *E.A. Buketov Karaganda State University,, Kazakhstan*

Speaker Slots are Available

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http://laser-technology.conferenceseries.com/

Conference Highlights

- Laser Optics
- Laser Types
- Laser Pulses
- Solid State Lasers
- Laser Diodes & Sensors
- Semiconductor Lasers
- Laser Applications
- Optical Communications
- Optoelectronics
- Optical Nanomaterials
- Optical Networking
- Adaptive Optics Progress
- Application of Optics
- Future Trends in Laser & Optics

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Glimpses of Lasers Tech Conferences



















Glimpses of Lasers Tech Conferences

















About Milan

Milan is the chief town of the Province of Milan and of the Lombardy Region. It is the second larger population in Italy, after Rome. Milan is also the centre of the largest metropolitan area in Italy, and one of the largest in Europe. Milan is considered as the economic and financial capital of Italy; the stock exchange is located here, as well as the most important multinational corporations. It is the most global city in the country and one of the richest areas in Europe.

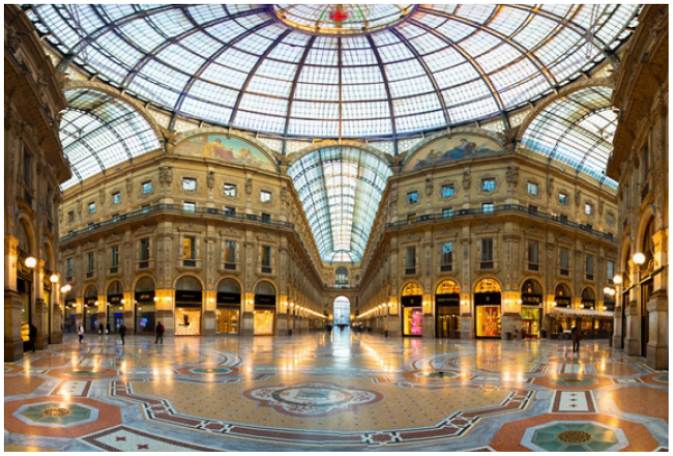
Milan is a leading global city, with strengths in the arts, commerce, design, education, entertainment, fashion, finance, healthcare, media, services, research, and tourism. Its business district hosts Italy's Stock Exchange and the headquarters of the largest national and international banks and companies. The city is a major world fashion and design capital, well known for several international events and fairs, including Milan Fashion Week and the Milan Furniture Fair. The city hosts numerous cultural institutions, academies and universities, with 11% of the national total enrolled students.

Venue : Milan, Italy

***Contact** Details*

Lasers Optics 2017
Conference Series Ltd
57 Ullswater Avenue, West End
Southampton, Hampshire
United Kingdom, SO18 3QS, Ph: +1-800-216-6499
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4th International Conference on

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July 28-29, 2016 Berlin, Germany



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Email: photonics@conferenceseries.net, lasertech@insightconferences.com

July 28,2016 Day 1

Registrations

Hall-Embassy I+II

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Opening Ceremony

Keynote Forum

Introduction

Title: Multi-mode optical quantum memory for quantum processing and communication

Artur V. Gleim, ITMO University, Russia

Title: TBA

Carl Christoph Jung, CCJ Software, Germany

Special Session

Title: Dielectric waveguide lasers: The realm of efficiency

Markus Pollnau, KTH – Royal Institute of Technology, Sweden

Group Photo

Networking & Refreshment Break @ Main Lobby

Session: Photonics

Session Chair: Bruno Bêche, Université de Rennes, France
Session Co-Chair: Michael Giersig, Helmholtz-Zentrum Berlin für Materialien und Energie, Germany

Session Introduction

Title: A generalized method for calculating phase matching conditions in biaxial crystals

Guangwen Huo, Xijing University, China

Title: Electromagnetic waves interaction with various metallic nanomaterials

Michael Giersig, Helmholtz-Zentrum Berlin, Germany

Title: Ultrahigh charging of small spherical grains by the beam-plasma method for creating a compact neutron source

Vladimir B Karalnik, Troitsk Institute for Innovation and Fusion Research (SRC RF TRINITI), Russia

Title: The ABCD matrix for parabolic reflectors and its application to astigmatism free four-mirror cavities

Kevin Dupraz, Centre national de la recherche scientifique, France

Title: Soft matter for integrated photonics and resonances: Various hybrid approaches and adaptive technologies

Bruno Bêche, Université de Rennes, France

Title: Quantization of electromagnetic field in an inhomogeneous medium based on scattering matrix formalism (S-quantization)

Mikhail Kaliteevski, ITMO University, Russia

Session : Types of Lasers | Lasers in Industry

Session Chair: Stephan Bruening, Schepers GmbH & Co. KG, Germany
Session Co-Chair: Belkacem Meziane, Université d'Artois, France

Session Introduction

Title: All-polymer planar optical sensing devices integrated in thin foils

Bernhard Roth, Leibniz University Hannover, Germany

Title: Embossing dies for surface functionalization by laser micro structuring

Stephan Bruening, Schepers GmbH & Co. KG, Germany

Lunch Break @ Element I+II Restaurant

Title: Investigation on soliton related effects in mid-infrared quantum-cascade lasers
Jing Bai, University of Minnesota Duluth, USA
Title: Advances in mid-infrared mode-locked fiber lasers
Maria Chernysheva, Aston University, UK
Title: Single and dual wavelength Er:Yb double clad fiber lasers
Baldemar Ibarra-Escamilla, Instituto Nacional de Astrofísica, Mexico
Title: Noise-like pulse dynamics in passively mode-locked fiber lasers
O Pottiez, Centro de Investigaciones en Óptica, Mexico
Title: Predicting the unpredictable with an isomorphic single-control parameter structure of the Laser-Lorenz equations
Belkacem Meziane, Université d'Artois, France
Title: Optimization of a DPAL system by adjusting cell structural parameters and cell temperatures
Guofei An, Southwest Institute of Technical Physics, China

Networking & Refreshment Break@ Main Lobby

Workshop 16:10-18:25

Session Chair: Sergei A Kozlov, ITMO University, Russia
Session Co-Chair: Sergey A Moiseev, Kazan National Research Technical University, Russia

WS01	**Title: Strong quadrupole light-molecule interaction and surface-enhanced optical processes** **Aleksey Mickhailovich Polubotko**, Saint Petersburg State University, Russia
WS02	**Title: Polarization-independent subcarrier quantum communication system and its application in ITMO University quantum network** **Sergei A Kozlov**, ITMO University, Russia
WS03	**Title: Electrodynamical Forbiddance of the Strong Quadrupole Light-Molecule Interaction and Its Manifestation in Fullerene C_{60}** **Aleksey Mickhailovich Polubotko**, Saint Petersburg State University, Russia
WS04	**Title: Polarization-independent subcarrier quantum communication system and its application in ITMO University quantum network** **Artur V. Gleim**, ITMO University, Russia
WS05	**Title: Maintaining security against photon-number-splitting attacks in subcarrier wave quantum communication systems** **Vladimir Egorov**, Saint Petersburg State University, Russia
WS06	**Title: Method for determining of the optical constants for films and materials inside the absorption bands region** **E N Kotlikov**, Saint Petersburg State University of Aerospace Instrumentation, Russia
WS07	**Title: Proof of standard security analysis compatibility with a sub-carrier wave quantum communication method** **Andrei Gaidash**, ITMO University, Russia
WS08	**Title: Linear optical quantum circuits construction algorithm based on directed graphs or transform matrices** **Kozubov Anton**, ITMO University, Russia
WS09	**Title: Investigation of process of quartz glass crystallization by confocal Raman spectroscopy** **Dmitrii Pankin**, St. Petersburg State University, Russia

Closing Ceremony

July 29, 2016 Day 2

Hall-Embassy I+II

Sessions: Optoelectronic Materials and Devices| Optical system| Optical networking | Nanophotonics

Session Chair: Abdullah J Zakariya, Ministry of Interior Kuwait, Kuwait
Session Co-chair: E U Rafailov, Aston University, UK

Session Introduction

Title: The quantum dot spectrometer-Exploiting the limitless number of colors of QDs
Jie Bao, Tsinghua University, China

Title: Monolithically integrated tunable QW laser
Abdullah J Zakariya, Ministry of Interior Kuwait, Kuwait
Title: Spectrum-polarization encoding for broadband laser pulses basing on rotatory dispersion and its possible applications
Shixiang Xu, Shenzhen University, China
Title: Exact analytical aberration theory of centered optical systems containing conic surfaces
Boian Andonov Hristov, Bulgarian Academy of Sciences, Bulgaria
Title: Quantum algorithms for factorization problem
Xinhua Peng, University of Science and Technology of China, China
Title: Fourier transforms of geometric forms and interference patterns, deflection of light by the sun
DO Tan Si, HoChiMinh-city Physical Association, Vietnam

Networking & Refreshment Break@ Main Lobby

Title: Brillouin microscopy for sub-cellular 3D mechanical imaging
Giuseppe Antonacci, Centre for Life Nano Science, Italy
Title: Router and routing designs for 3D torus optical network on chip
Weigang Hou, Northeastern University, China
Title: New generation of a single-chip LEDs with superior colour rendering emission
E U Rafailov, Aston University, UK
Title: Photonic microwave arbitrary waveform generation with adjustable chirp parameter based on remote sensing applications
Sanjeev Kumar Raghuvanshi, Indian School of Mines, India

Sessions: Optical Sensor Technologies and Types | Medical Laser Technology | Optometry Practice

Session Chair: German F de la Fuente, ICMA CSIC-University of Zaragoza, Spain
Session Co-Chair: Daniel Valverde, University of Guayaquil, Ecuador

Session Introduction

Title: Importance of early diagnosis Retina
Daniel Valverde, University of Guayaquil, Ecuador
Title: The laser furnace: Enabling continuous processing of ceramics and glass under extreme conditions
German F de la Fuente, ICMA CSIC-University of Zaragoza, Spain

Lunch Break @ Element I+II Restaurant

Title: Scleral contact lens for KC management
Nezar R Damati, Eyezone Institute of Opticianry and Private Training, Kuwait
Title: Aerosol profiling by Raman Lidar in Nanjing, China
Nianwen Cao, Nanjing University of Information Science and Technology, China
Title: New applications for high repetition rate high energy P-P lasers
Victor V Apollonov, Prokhorov General Physics Institute, Russia
Title: Cascaded multi-dithering technique for high power beam combination setup
Hee Kyung Ahn, Korea Research Institute of Standard and Science, South Korea
Title: Investigation of distribution mechanism of noise fluxes between three oscillating modes of a free-running class –A laser
Jafar Jahanpanah, Kharazmi University, Iran

Video Presentation

Title: The effects of laser characteristics on melting of workpiece subject to surface plasmon excited by a pulsed laser
Wei Peng-Sheng, National Sun Yat-Sen University, Taiwan

Young Research Forum

Title: Research progress on metal ions doped lithium tantalate crystals and their applications in green laser
Kang Xueliang, Shandong University, China
Title: Laser processing of solar cells on laser crystalized silicon
Tim Frijnts, Helmholtz Zentrum für Materialien und Energie Berlin, Germany
Title: Surface alloying of al coatings on P92 steels by laser line scanning
Hector Santos, University of Madrid, Spain

Networking & Refreshment Break@ Main Lobby

Poster Timings

Title: Wireless data transmission method using pulsed THz sliced spectral continuum
Sergei A Kozlov, ITMO University, Russia
Title: Utilization of continuous low power visible laser in the 3D printing of strong and ultra- light weight cross-linked silica aerogel
Khaled M Saoud, Virginia Commonwealth University in Qatar, Qatar
Title: 4D-Photonic crystals
Naimi E K, National University of Science and Technology "MISIS", Russia
Title: Analytical approaches to description of nonlinear processes in inhomogeneous optical waveguides
Mikhail A Bisyarin, St.Petersburg State University, Russia

Poster Presentations @ Main Lobby	
PHO001	**Title: Plasmon-coupled CuInS2 and CuInS2/ZnS for hybrid white LEDs**
	Bagher Tabibi, Hampton University, USA
PHO002	**Title: PLs from bandedge and surface-trapped state transitions in CdSe quantum dots for white light applications**
	Bagher Tabibi, Hampton University, USA
PHO003	**Title: Fiber-Optic heterodyne frequency modulation sensor for volatile organic compounds (vocs) detection**
	Rajibur Rahaman Khan, Kyungpook National University, Korea
PHO004	**Title: A study of the relative cost in elastic optical OFDM networks**
	Anwar Alyatama, Kuwait University, Kuwait
PHO005	**Title: TBA**
	Hamza Alsalla, Exeter University, UK

Closing & Award Ceremony

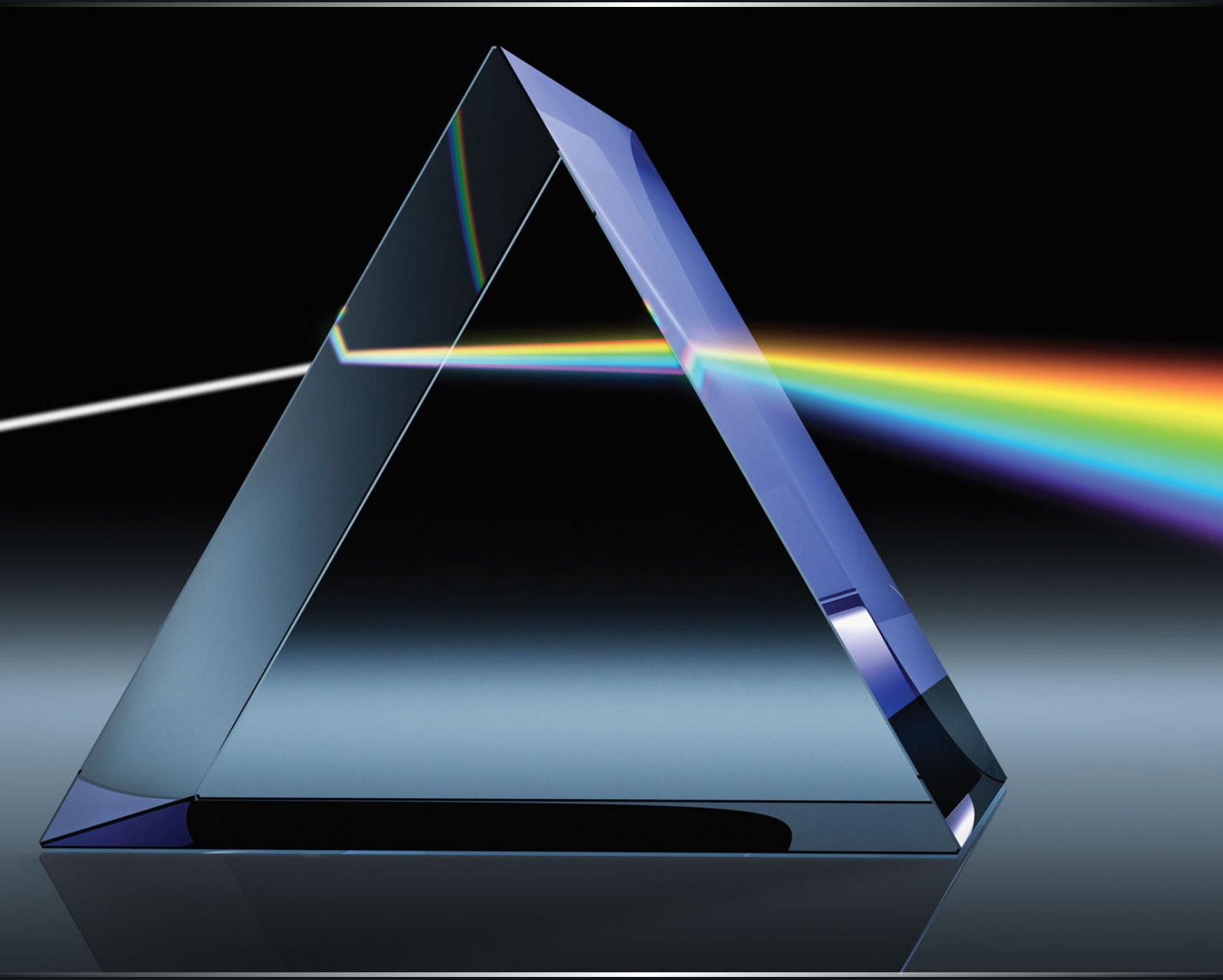
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Scientific Program

3rd International Conference and Exhibition on

Lasers, Optics and Photonics

September 01-03, 2015 Valencia, Spain



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Scientific Program

Day 1 **September 01, 2015**

Registrations

Valentia B

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Opening Ceremony

Keynote Forum

Introduction

Manijeh Razeghi, Northwestern University, USA

Anthony Krier, Lancaster University, UK

Michael A Fiddy, University of North Carolina (Charlotte), USA

John Michael Dallesasse, University of Illinois, USA

Coffee Break @ Foyer

Track 1: Advanced Science and Technology for Laser Systems

Session Chair: Anthony Krier, Lancaster University, UK

Session Co-Chair: Joachim Wagner, Fraunhofer Institute for Applied Solid State Physics (IAF), Germany

Session Introduction

Title: Optical feedback interferometry in quantum cascade lasers

Gaetano Scamarcio, Università degli Studi di Bari "Aldo Moro", Italy

Title: Influence of the InAs/GaSb super lattice period composition on the electro-optical performances of T2SL infrared photodiode

Philippe Christol, University of Montpellier, France

Title: Recent advances in widely tunable quantum cascade lasers and their use in spectroscopic sensing

Joachim Wagner, Fraunhofer Institute for Applied Solid State Physics (IAF), Germany

Title: Coherency for a better detection

Besnard Pascal, University of Rennes 1, France

Title: Linear-cavity fiber lasers investigation and application

Shien-Kuei Liaw, National Taiwan University of Science and Technology, Taiwan

Title: 16 µm InP-related quantum cascade laser

Anna Szerling, Institute of Electron Technology, Poland

Group Photo & Lunch Break @ Aqua Restaurant

Title: Photonic engineering and micro-cavity tuning of THz quantum cascade laser resonators

Miriam S Vitiello, NEST, CNR -Istituto Nanoscienze and Scuola Normale Superiore, Italy

Title: In-situ study on optical properties and continuous laser tuning in cholesteric liquid crystal laser array

Mi-Yun Jeong, Gyeongsang National University, Korea

Title: Type-II quantum wells for InP-based surface and edge emitting lasers

Stephan Sprengel, Technische Universitaet Muenchen, Germany

Track 5: Advancements in Photonics

Session Chair: Dan Botez, University of Wisconsin, USA
Session Co-Chair: Weidong Chen, Université du Littoral Côte d'Opale, France

Session Introduction

Title: $BaTiO_3$ Photonic crystal electro-optic devices for 50 GHz applications

Bruce Wessels, Northwestern University, USA

Title: High-index-contrast photonic-crystal quantum cascade lasers: Watt-range coherent mid-infrared power sources

Dan Botez, University of Wisconsin, USA

Title: Advanced photonic technologies for atmospheric measurements

Weidong Chen, Université du Littoral Côte d'Opale, France

Coffee Break @ Foyer

Title: Frequency doubling in AlGaAs microdisks at 1.55 µm

Giuseppe Leo, University Paris Diderot, France

Title: Can OLED light-quality be good enough to justify lighting renaissance?

Jwo-Huei Jou, National Tsing Hua University, Taiwan

Keynote Talk

Nasser Peyghambarian, University of Arizona, USA

Title: Photon management assisted by surface waves on an all-dielectric platform

Angelo Angelini, Polytechnic of Turin, Italy

Panel Discussion

Day 2 September 02, 2015

Valentia B

Track 3: Optoelectronics

Session Chair: Michael A Fiddy, University of North Carolina (Charlotte), USA
Session Co-Chair: Nicholas Kioussis, California State University Northridge, USA

Session Introduction

Title: Low index optical materials

Michael A Fiddy, University of North Carolina (Charlotte), USA

Title: Identification of point defect candidates in strained-layer type-II super lattices for infrared detectors: *Ab initio* electronic structure studies

Nicholas Kioussis, California State University Northridge, USA

Title: InP-based antimony-free lasers and photodetectors in 2-3 µm band

Zhang Yong-Gang, Chinese Academy of Sciences, China

Title: Telluride glass fibers for mid-infrared sensing: From medical diagnosis to the detection of exo-planet

Bruno Bureau, Université de Rennes 1, France

Title: Optical design and analysis of inorganic and organic nano/microscale structures for light harvesting and sensing applications

Jae Su Yu, Kyung Hee University, Republic of Korea

Coffee Break @ Foyer

Title: Unconventional thiophene materials for optoelectronics

Ewa Schab-Balcerzak, University of Silesia, Poland

Title: ZnO-based plasmonics

Sergey Sadofev, Humboldt-Universität zu Berlin, Germany

Title: Optical fibre chemical sensors: Bio-medical application

Sergiy Korposh, The University of Nottingham, UK

Track 4: Optical Communications and Networking
Track 7: Quantum Science and Technology
Track 9: Applications and Trends in Optics and Photonics

Session Chair: Dan Sporea, National Institute for Laser, Plasma and Radiation Physics, Romania

Session Introduction

Title: Ionizing radiation dosimetry with optical fibers

Dan Sporea, National Institute for Laser, Plasma and Radiation Physics, Romania

Title: Photonics technologies for 100 Gbps wireless communications

Juan Sebastián Rodriguez Páez, Technical University of Denmark, Denmark

Title: Polybinary modulation for bandwidth limited optical links

J J Vegas Olmos, Technical University of Denmark, Denmark

Lunch Break @ Aqua Restaurant

Title: Málaga statistical distribution: The new universal analytical propagation model for atmospheric optical communications

Antonio Jurado-Navas, University of Malaga, Spain

Title: A transmission of Ethernet signals via VLC link based on using LEDS in a double role

Marcin Kowalczyk, Warsaw University of Technology, Poland

Title: Nonlinear pulse dynamics in passive and active optical fibers

Mousumi Basu, Indian Institute of Engineering Science & Technology, India

Title: QEPAS- New developments in quartz enhanced photoacoustic gas sensing

Vincenzo Spagnolo, Università e Politecnico di Bari, Italy

Coffee Break @ Foyer

Title: Single Mode Interband Cascade Lasers

Sven Höfling, Universität Würzburg, Germany

Title: Observation the exciton and Urbach band tail in low-temperature-grown GaAs using coherent ultrafast spectroscopy

Kimberley C Hall, Dalhousie University, Canada

Title: Optical applications of single crystals and transparent ceramics fabricated by high pressure process

Mythili Prakasam, Institut de Chimie de la Matière Condensée de Bordeaux (ICMCB), France

Title: Generation of triangular optical pulses through a normally dispersive highly nonlinear fiber

Debasruti Chowdhury, Indian Institute of Engineering Science & Technology, India

Title: Shipbuilding application of laser equipment and technologies

Nikolay A Nosyrev, JSC Shipbuilding and Shiprepair Technology Center, Russia

Poster Session @ Foyer	
OP-001	**Title: Testing of ZnSe, CaF_2, BaF_2, and sapphire windows under alpha particles irradiation**
	Dan Sporea, National Institute for Laser, Plasma and Radiation Physics, Romania
OP-002	**Title: Semiconductor-integrated-Fiber-Bragg-Gratings for multi-parameter network sensing**
	Shien-Kuei Liaw, National Taiwan University of Science and Technology, Taiwan
OP-003	**Title: Integration of metal nano-particles in organic waveguides**
	Mattia Signoretto, University of Valencia, Spain
OP-004	**Title: 10 GHz orthogonally polarized dual frequency VECSEL at 1550 nm**
	Lea Chaccour, IFSTTAR, France
OP-005	**Title: Photonic-assisted systems for the generation, modulation and measurement of microwave signals**
	Danqi Feng, Huazhong University of Science and Technology, China
OP-006	**Title: Simultaneous experimental observation of the quantization and interference of a nano-confined plasmonic near-field**
	Aziz N Mina, Beni-Suef University, Egypt

Panel Discussion

Day 3 September 03, 2015

Valentia B

Track 2: Optics and Lasers in Medicine

Track 6: Nanophotonics and Biophotonics

Track 8: Featured Technologies in Lasers, Optics and Photonics

Session Chair: Ching-Fuh Lin, National Taiwan University, Taiwan
Session Co-Chair: Edik U Rafailov, Aston University, UK

Session Introduction

Title: Organic bio-electronic sensors for ultra-sensitive chiral differential detection

Luisa Torsi, Università degli Studi di Bari "Aldo Moro", Italy

Title: Environmentally affordable fluorescent nanotechnology for efficient lighting

Ching-Fuh Lin, National Taiwan University, Taiwan

Title: Sub-wavelength optical propagation in passive and active 1D-nanostructures

Nolwenn Huby, University of Rennes 1, France

Title: Growth of semiconductor nanoparticles in polymer matrices by nanosecond laser
Damian C Onwudiwe, North-West University (Mafikeng Campus), South Africa
Title: Novel compact laser sources for biomedical photonics: Diagnostics and treatment
Edik U Rafailov, Aston University, UK

Coffee Break @ Foyer

Title: Advanced fiber grating devices fabricated for all-optical signal processing

Xuewen Shu, Huazhong University of Science and Technology, China

Title: Optics on nano-structured surfaces

Valerio Pruneri, The Institute of Photonic Sciences, Spain

Title: Transport at spin-orbit and exchange-split interfaces: Giant universal asymmetry

Drouhin Henri-Jean, University Paris Saclay, France

Title: Ultra high resolution spectroscopy and ultra-fast THz measurements using coherent synchrotron radiation

Pascale Roy, Synchrotron SOLEIL, France

Title: Dye-sensitized solar cells using ethynyl-linked porphyrin trimers for NIR photoelectric conversion

Tomofumi Hamamura, University of Bordeaux, France

Title: Polarization-tuned dynamic color filters exploiting a dielectric-loaded one dimensional aluminum grating

Vivek Raj Shrestha, Kwangwoon University, South Korea

Title: Fabrication of homogenous microstructures by femtosecond laser micromachining

K M Tanvir Ahmmed, McGill University, Canada

Lunch Break @ Aqua Restaurant

Panel Discussion

Best Poster Award

Closing Ceremony