EuroSciCon

European Conference on

Lasers, Optics and Photonics

May 09-11 **2019**

Stockholm, Sweden



EURO OPTICS 2019

https://optics.euroscicon.com/

Day 1, Agenda

General Session

08:00 AM — INTRODUCTION

09:00 AM — PLENARY

10:00 AM — KEYNOTE

Networking & Refreshments Break @ Foyer

	HALL 01	HALL 02	HALL 03
11:00 AM	Talks On: **Classical Optics**	Talks On: **Physical Optics**	Talks On: **Modern Optics**
	Talks On: **Atmospheric OpticS**	Talks On: **Photonic Integrated Circuits**	Talks On: **Photonic Systems**
	SESSION DISCUSSION	**SESSION DISCUSSION**	**SESSION DISCUSSION**
02:00 PM	Panel Over: **Organic Photonics**	Panel Over: **Organic Lasers**	Panel Over: **Waveguide Optics**
	Workshop On: **Photonic Crystal Fiber**	Workshop On: **Optical Medium**	Workshop On: **Nuclear Science**
	Lunch Break @ Restaurant	***Lunch Break @ Restaurant***	***Lunch Break @ Restaurant***
04:00 PM	Talks On: **Laser Science**	Talks On: **Laser Diode**	Talks On: **Laser Safety**
	Lectures on: **Optical Interferometers**	Lectures on: **Laser Systems**	Lectures on: **Optical Communications And Networking**
06:00 PM	Session On: **Optics and Lasers in Medicine**	Session On: **Optical Physics**	Session On: **Optical Fiber**
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Day 2, Agenda

General Session

08:00 AM — INTRODUCTION

09:00 AM — PLENARY

10:00 AM — KEYNOTE

Networking & Refreshments Break @ Foyer

	HALL 01	HALL 02	HALL 03
11:00 AM	Talks On: **Optoelectronics**	Talks On: **Nanophotonics And Biophotonics**	Talks On: **Surface Enhanced Spectroscopy (SES)**
	Talks On: **Fiber Laser Technology**	Talks On: **Fibre Optic Communications**	Talks On: **Implementation of Lasers, Optics and Photonics**
	SESSION DISCUSSION	**SESSION DISCUSSION**	**SESSION DISCUSSION**
02:00 PM	Panel Over: **Laser Technology**	Panel Over: **Optical Imaging and Sensing**	Panel Over: **Industrial Applications of Lasers**
	Workshop On: **Optical Techniques**	Workshop On: **Optoelectronic Device**	Workshop On: **Plasma Science**
	Lunch Break @ Restaurant	*Lunch Break @ Restaurant*	*Lunch Break @ Restaurant*
04:00 PM	Talks On: **Quantum Sensor**	Talks On: **Signal Processing**	Talks On: **Spectrum**
	Lectures on: **Wavelengths**	Lectures on: **Applied Optoelectronics**	Lectures on: **Optical Technologies**
06:00 PM	Session On: **Mergers & Acquisitions**	Session On: **High-Speed Networks**	Session On: **Laser Focus World**
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Day 3, Agenda

General Session

08:00 AM — INTRODUCTION

09:00 AM — PLENARY

10:00 AM — KEYNOTE

Networking & Refreshments Break @ Foyer

	HALL 01	HALL 02	HALL 03
11:00 AM	Talks On: **Quantum Optics**	Talks On: **Quantum Science and Technology**	Talks On: **Optics in Astronomy and Astrophysics**
	Talks On: **Pediatric Optometry**	Talks On: **Advancement in Photonics**	Talks On: **Laser Skin Resurfacin**
	SESSION DISCUSSION	**SESSION DISCUSSION**	**SESSION DISCUSSION**
02:00 PM	Panel Over: **Future Drifts in Lasers, Optics and Photonics**	Panel Over: **Semi conductor Lasers**	Panel Over: **Industrial Applications**
	Workshop On: **Polarization Laser**	Workshop On: **Detecting of Lasers**	Workshop On: **Design and Modeling of Photonics**
	Lunch Break @ Restaurant	*Lunch Break @ Restaurant*	*Lunch Break @ Restaurant*
04:00 PM	Talks On: **Lasers in Engineering**	Talks On: **Fundamentals of Lasers**	Talks On: **Ray Optics Oscillations**
	Lectures on: **Laser Beam**	Lectures on: **Laser**	Lectures on: **Optical Networks**
06:00 PM	Session On: **Polarization**	Session On: **Biophotonics**	Session On: **Nanophotonics**
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Low Frequency Internal-Gravity Wavy Structures in the Shear Flow Driven Ionosphere
Khatuna Chargazia
Javakhishvili Tbilisi State Univerity ,USA

Fluorescent and T1 MRI active Multilayer Nanoparticle for Imaging and Targeting Cellular Delivery
Oara Neumann
Rice University, USA

Pulsar identification of background spectra of LIGO data
Yukio Tomozawa
University of Michigan, USA

Optical Frequency Comb Generation Utilizing Mach-Zehnder Modulator and Multi-Laser Sources
DRISS EL IDRISSI
National Institute of Standards and Technology, USA

LiDAR Data Analysis for Automatic Region Segmentation and Object Classification
Prof. Vijayan Asari
University of Dayton, USA

Light-Matter Interaction in Graphene Nanohybrids and their Application of Nanosensors and Nanoswitches
Mahi R. Singh
University of Western Ontario, Canad

Scattering Photons for Quantum Technology
Almut Beige
University of Leeds, UK

Optical Choas: dynamical complexity of delay-coupled semiconductor Lasers system
Pramod Kumar
University of Exeter, UK

Advances in the development of compact laser sources for imaging, diagnostics and treatment in biomedicine
Edik U. Rafailov
Aston University, U.K

Antimonide quantum materials for laser applications
Qiandong zhuang
Lancaster University, UK

Global Positioning System Confirmation of a Contradiction between Einstein's Predictions of Time Dilation and Remote Non-Simultaneity
Robert Buenker
University of Wuppertal, Germany

Deuteron States Model
Gudrun Kalbach
MINT, Germany

Advances in CAOS Camera Imaging
Nabeel Riza
University College Cork, Ireland

Terahertz light emission and lasing in graphene under current-injection pumping
Taiichi Otsuji
Tohoku University, Japan

High-temperature annealing for improved crystalline quality of semipolar AlN on m-plane sapphire
Masafumi Jo
Quantum Optodevice Laboratory , Japan

Self-Assembled Organic/Polymeric Microlasers and Photoswitchable Arrays
Yohei Yamamoto
University of Tsukuba, Japan

An Analysis on Absolute Velocity
Jiang Yu
China pharmaceutical university, China

Synthesis, Characterization, Swelling Kinetis And Mechanism Of Chitosan-Starch Hydrogels And Their Crosslinked Counterparts As Potential Organic Photoelectronic Systems
Akakuru Ozioma
Ningbo Institute of Materials Technology, China

Enhancing the measurement-device-independent quantum key distribution using heralded single-photon sources
Prof. Qin Wang
Nanjing University, China

Monolithic III-nitride photonic circuit for multifunctional system
Yongjin Wang
Nanjing University, China

Spectrum-polarization encoding for broadband laser pulses basing on rotatory dispersion and its possible applications
Shixiang Xu
Shenzhen University, China

New technologies based on new materials
Apollonov Victor Victorovich
A.M. Prokhorov General Physics Institute of RAS, Russia

Enhanced Optical Processes and a Strong Quadrupole Light-Molecule, Matter Interaction
Aleksey Mikhailovich Polubotko
A. F. Ioffe Physico-Technical Institute, Russia

Femtosecond laser direct writing of crystal-in-glass $LaBGeO_5$ waveguides
Dr. Sergey Lotarev
Mendeleev University of Chemical Technology, Russia

Ultrafast laser-induced inscription of nanogratings in alkali silicate glasses
Sergey Fedotov
Mendeleev University of Chemical Technology, Russia

Laser-Assisted Precipitation Of Metal And Semiconductor Nanopartcles In Oxide Glass
Mr. Maxim Vetchinnikov
Mendeleev University of Chemical Technology, Russia

Laser Writing Of Crystalline Tracks In Barium Tianosilicate Glass By Femtosecond Laser Beam Waist With Elliptical Cross Section
Mr. Ivan Moiseev
Mendeleev University of Chemical Technology, Russia

Nonlinear Single Mode Waveguide Inscribed by a Femtosecond Laser in Tellurite Glass
Dr. Mikhail Smayev
Mendeleev University of Chemical Technology, Russia

Monte Carlo simulation of Raman scattering in biological tissues
Masafumi Jo
Quantum Optodevice Laboratory, Japan

Twisted Optical and Microwave Near Fields for Probing Chirality of Biological Structures
Eugene Kamenetskii
Microwave Magnetic Laboratory, Russia

Surface Electromagnrtic Waves: Past, Present, Future
Vladimir Datsko
Institute of Applied Geophisics, Russia

Overcooled gas flow assisted Quantum Computing
Konstantin Lyakhov
Institute for Nuclear Science and Technology, South Korea

A new spectroscopy based upon 3D photonic quantum ring lasers for non-invasive and portable brain heart disease diagnostic techniques
O'Dae Kwon
Korea University, South Korea

Sol-gel Materials for Optical Applications
David Levy
Instituto de Ciencia de Materiales de Madrid, Spain

Multiple-parameter optical sensing based on a fiber laser source and fiber gratings family
Prof. Shien-Kuei Liaw
National Taiwan University, Taiwan

Pulsed MOVPE Growth of High Quality AlGaN epilayers for Ultraviolet LED Applications
İLKAY DEMİR
Cumhuriyet University, Turkey

Growth and characterization of epitaxially Grown GaN layer on Patterned sapphire substrate
Ismail Altuntas
Cumhuriyet University, Turkey

The Role of Growth Temperature, V/III Ratio and CBr4 flow on Carbon Doped p-GaAs Epilayers
ALEV KIZILBULUT
Cumhuriyet University, Turkey

Entanglement of Nanoresonators
Prof. Mahmoud Abdel-Aty
Applied Science University, Bahrain

Spiral scanning deflector for keV energy electrons
Dr. Amur Margaryan
A.I. Alikhanyan National Science Laboratory, Armenia

Physicochemical, Spectral-Luminescent and Lasing Properties of Yb-containing Huntite-Like Glass
Dr. Georgii Malashkevich
B.I. Stepanov Institute of Physics, Belarus

Ultra-fast laser surface processing of bio-implants for improved bio-compatibility
Dr. SUNITA KEDIA
Bhabha Atomic Research Centre, India

Low cost U-bent optical fiber volatile liquid sensor based on localized surface plasmon resonance (LSPR) technique
Dr. Dimpi Paul
Tezpur University, India

Solvability of Nonlinear Functional-Integral Equation Involving Erd lyi-Kober Fractional Integrals
Laxmi Narayan Mishra
Lovely Professional University, India

Generalization of optoelectronic parameters with the configurational entropy of certain photon confining structures by the regulation of Tsallis factor using q-exponential integrals.
Avinab Banerjee
Birla Institute of Technology, India

Photonic crystal Fibers
Dhanu Krishna G
University of Kerala, India

Simultaneous Electron-Photon Excitation Of Atomic Targets
Sanjeev Saxena
Bareilly College, India

Optical Properties of Silver Nanocomposites Based Photonic Crystal
Dr. K.S.Joseph Wilson
Arul Anandar College, India

An Invasive way of sensing for size detection of nanoparticles
Dr. Rajib Biswas
Tezpur University, India

Mitigating Fiber Chromatic Dispersion Based on Elimination of 2nd Order Harmonics using Modified Single Sideband Modulation Technique
Dhananjay Patel
Sardar Vallabhbhai National Institute of Technology, India

System Design for FSO based Transceiver
Vijay Janyani
Malaviya National Institute of Technology, India

Non-linear optical properties of nano particle C60 fullerene using lasers
T.K. Subramaniam
Sri Sairam Engineering College, Indi

Orbital Angular Momentum of Airy Gaussian Vortex beams
Monika Bahl
Amity University, India

Remote sensor organization
Himanshu Monga
Jan Nayak Ch.Devi Lal Vidyapeeth, India

Ultra-fast laser surface processing of bio-implants for improved bio-compatibility
Dr. SUNITA KEDIA
Bhabha Atomic Research Centre, India

Design of Quantum Entangled Pulsars for Connection of Human Brains and Transmission of Minds
Arvydas Tamulis
Independent expert of European Commission, Lithuania

Optical quantum Hall systems
Dr. Dariush Jahani
University of Tabriz, Iran

Surface plasmon resonance manipulating by optical and electrical methods using heterostructures 2D material embedded on the microring resonators
Dr. IS Amiri
University Technology Malaysia, Iran

Latest Progresses of Laser Applications in Industry
Mahmoud Moradi
Malayer University, Iran

Ray Tracing Propagation of Lasers in a Continuous Turbulent Atmosphere
Itay Naeh
Rafael Advanced Defense Systems LTD, Israel

RGB Wavelength Demultiplexer Based on Photonic Crystal Fiber
Dror Malka
MostlyTek LTD, Israel

Analytical Commutation of Electrical Equalizer in on-off-keying Optical Communication Systems
Gilad Katz
Holon Institute of Technology, Israel

Optical soliton solutions with beta derivative for some nonlinear Schrodinger equations
Abdullahi Yusuf
Firat University, Nigeria

System Design for FSO based Transceiver
Vijay Janyani
Malaviya National Institute of Technology, India

Design of a novel polarization dependent 1x2 optical switch and a 2x1 MUX/DEMUX based on polarization controllers, polarization beam splitters and combiners
Mr. fethallah karim
University of Tlemcen, Algeria

Fibre-to-the-Hut; Broadband connection to the remote user in an African setting
Enoch Rotich
University of Kabianga, Kenya

Use of He-Ne Laser in the Measurement of Refractive Index
Dr. Shyam Singh
University of Namibia, Namibia

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City Attractions







