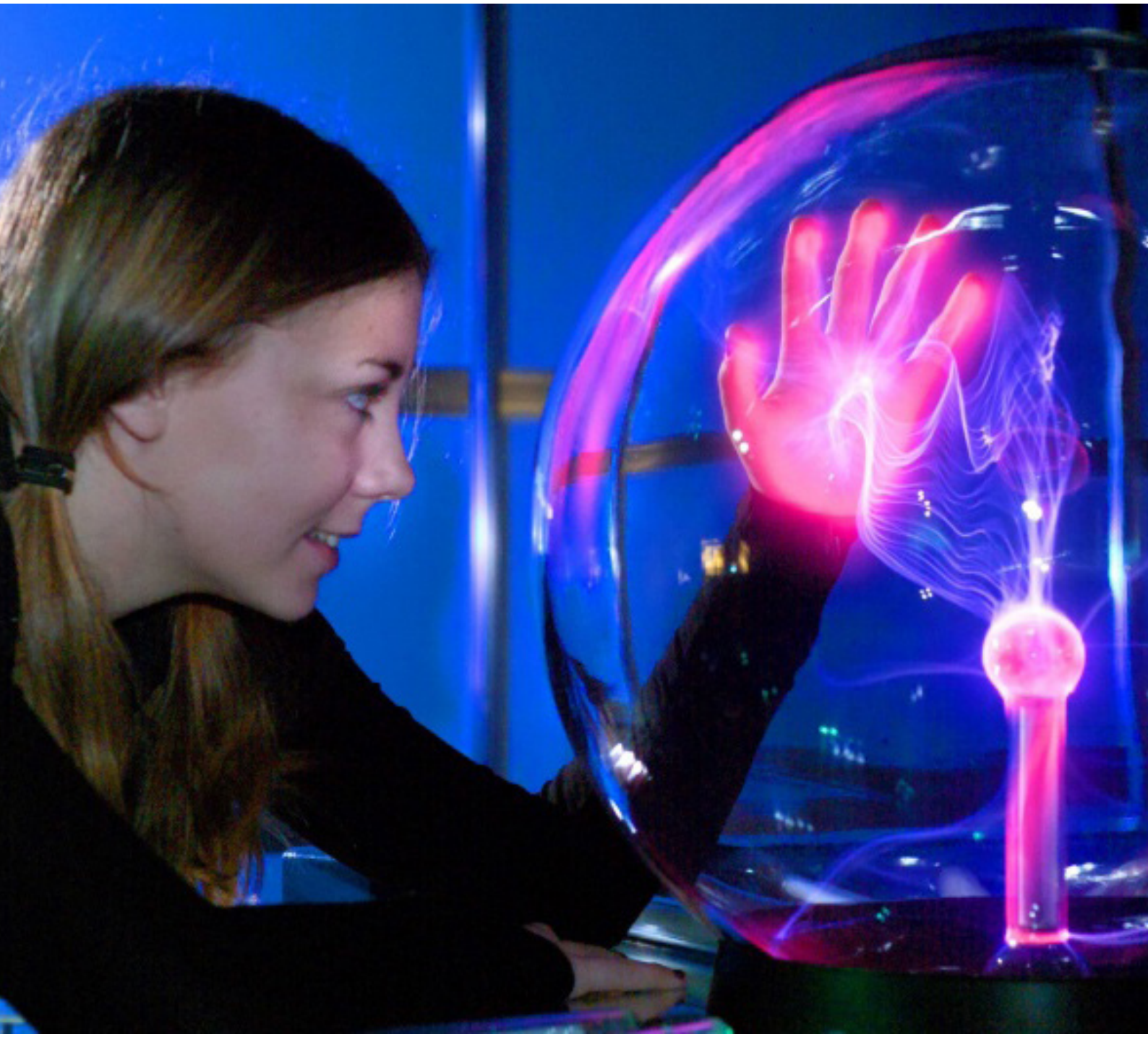
EuroSciCon

TENTATIVE PROGRAM



5th EuroSciCon Conference on

QUANTUM AND PLASMA PHYSICS

May 09-10, 2019 | Stockholm, Sweden

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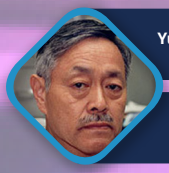
QUANTUM AND PLASMA PHYSICS 2019

DAY 1, AGENDA
May 09, 2019

08:00-09:00 - Registrations
09:00-09:30 - Opening Ceremony

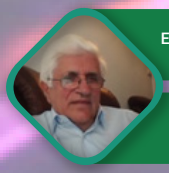


Taiichi Otsuji
Japan
09:30-10:15
Terahertz Light Emission and Lasing in Current-Driven Graphene-based 2D Nano- and Plasmonic-Structures



Yukio Tomozawa
USA
10:15-11:00
Gravitational waves from black hole merger and pulsar

Group Photo
Coffee Break: 11:00-11:20
Session Introduction



Eliade Stefanescu
Romania
11:20-11:50
Quantum Mechanics as the theory of relativity of the quantized matter



Timothy Fulton Johns DDS, USA
11:50-12:20
Quantum Scalar Gravity General Relativity, Quantum Mechanics, The Life Force and Multi-Dimensional Motion of Objects within a Cosmic Scalar Flow



Qiu- He peng
China
12:20-12:50
Implications for Discovery of Strong Radial Magnetic Field at the Galactic Center

Lunch Break: 12:50-13:50
Session Introduction



Mahamad Saad
USA
13:50-14:20
Mid Infrared Optical fibers for Fiber Lasers: Fluoride glass Fibers



Maxime Delmée
Luxembourg
14:20-14:50
Laser Ablation in Organic Precursors and Atmospheric Plasma Polymerization: a Convenient Combination for Synthesis of Hybrid Antibacterial Coatings



jianhua Liu
China
14:50-15:20
Picometer scale bandwidth optical bandpass filtering in prism pair coupled planar optical waveguide

Coffee Break: 15:20-15:40



Amlan Kusum Roy
India
15:40-16:10
Information entropy in confined atomic systems



Uttam Banik
Bangladesh
16:10-16:40
Probable systematic approach of satellite signal barriers

Day 2 Continues May 10, 2019

For more Details:

plasmaphysics@eurosciconmeetings.com

https://plasmaphysics.euroscicon.com/

TAIICHI OTSUJI
TOHOKU UNIVERSITY
JAPAN





Title: Terahertz Light Emission and Lasing in Current-Driven Graphene-based 2D Nano- and Plasmonic-Structures

Taiichi Otsuji is a professor at the Research Institute of Electrical Communication (RIEC), Tohoku University, Sendai, Japan. He received the Ph.D degree in elec-tronic engineering from Tokyo Institute of Technology, Tokyo, Japan in 1994. From 1984 to 1999 he worked for NTT Laboratories, Kanagawa, Japan. In 1999 he joined Kyushu Institute of Technology. He joined RIEC, Tohoku University, in 2005. His current research interests include terahertz electronic, photonic and plas-monic materials/ devices and their applications. He has authored and co-authored 250 peer-reviewed journal papers and more than 150 invited presentations in aca-demic international conferences. He was awarded the Outstanding Paper Award of the 1997 IEEE GaAs IC Symposium, and has served as an IEEE Electron Device Society Distinguished Lecturer since 2013. He is a Fellow of the IEEE, OSA and JSAP, and a member of the MRS, SPIE, and IEICE.

YUKIO TOMOZAWA
UNIVERSITY OF MICHIGAN
USA





Title: Gravitational waves from black hole merger and pulsar

Yukio Tomozawa obtained DSc in 1961 from Tokyo University. He was Assistant at Tokyo University (1956) and at Tokyo University of Education (1957-1959) - Member at the Institute for Advanced Study, Princeton, NJ (1964-1966). He was Assistant Professor, Associate Professor, Professor and Emeritus Professor at the University of Michigan, USA. He found that the Schwarzschild metric does not fit the data of time delay experiment in the field of general relativity. He has introduced a physical metric which fits the data. It was constructed with the constraint that the speed of light on the spherical direction is unchanged from that in vacuum. This modification changes the way we understand the nature of gravity drastically. In particular, the nature of compact objects, neutron stars and black holes, is very different from that described by the Schwarzschild metric. It also explains the dark energy, supernova explosion and high energy cosmic ray emission from AGN (Active Galactic Nuclei), massive black hole.

ELIADE STEFANESCU
PHYSICS CENTRE OF THE
ROMANIAN ACADEMY, ROMANIA

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Title: Quantum Mechanics as the theory of relativity of the quantized matter

Eliade Stefanescu graduated the Faculty of Electronics, Section of Physicist Engineers, in 1970, and obtained a PhD in Theoretical Physics in 1990. He discovered a phenomenon of penetrability enhancement of a potential barrier by dissipative coupling. He developed a microscopic theory of open quantum systems, discovered a physical principle and invented a device for heat conversion into usable energy, and produced a unitary quantum relativistic theory. He is member of American Chemical Society and of Academy of Romanian Scientists. He received the Prize of Romanian Academy for physics in 1983, and the Prize "Serban Titeica" in 2014 for the book Open Quantum Physics and Environmental Heat Conversion into Usable Energy, Sharjah (UAE): Bentham Science Publishers.

TIMOTHY FULTON JOHNS DDS
KNOXVILLE, USA





Title: Quantum Scalar Gravity General Relativity, Quantum Mechanics, The Life Force and Multi-Dimensional Motion of Objects within a Cosmic Scalar Flow

General Dental Implant Surgery for 25 years after graduation from the University of Temmessee Health Sciences 1978 General Dentistry the past 15 years Private practice in Knoxville, Tn Perpetual student of science all of my life! Published "The Great Cosmic Sea of Reality" the book in 2018 Published Five double-blind peer reviewed papers on the Dark Matter Fractal Field Theory with The Global Journal of Science Frontier Research in links below in 2018. Video lecture given at Prague meeting of EuroSciCon July 2018 located on YouTube.
https://www.youtube.com/watch?v=R-DLHuiGgy8

QIU- HE PENG
NANJING UNIVERSITY, CHINA

EuroSciCon





Title: : Implications for Discovery of Strong Radial Magnetic Field at the Galactic Center

Qiuhe Peng is mainly engaged in nuclear astrophysics, particle astrophysics and Galactic Astronomy research. In the field of Nuclear Astrophysics, his research project involved a neutron star (pulsar), the supernova explosion mechanism and the thermonuclear reaction inside the star, the synthesis of heavy elements and interstellar radioactive element such as the origin of celestial 26Al. In addition, through his lectures, he establishes Nuclear Astrophysics research in China, He was invited by Peking University, by Tsinghua University (both in Beijing and in Taiwan) and by nuclear physics institutes in Beijing, Shanghai, Lanzhou to give lectures on Nuclear Astrophysics for many times. He has participated in the international academic conferences over 40 times and he visited more than 20 countries. In 1994, he visited eight institutes in USA to give lectures. He is the first Chinese Astrophysicist to visit NASA and to give a lecture on the topic, Nuclear Synthesis of Interstellar. In 2005, he visited USA twice and gave lectures in eight universities again. Inviting six astronomers of USA to give series lectures, he has hosted four consecutive terms summer school on gravitational wave astronomy. After the four summer school obvious effect, at least 20 young scholars in China in the field of gravitational wave astronomy specialized learning and research. 220 research papers by him have been published.

MAHAMAD SAAD
SENIOR SCIENTIST R&D DEPARTMENT, THORLABS, INC.. USA





Title: Mid Infrared Optical fibers for Fiber Lasers: Fluoride glass Fibers

Dr. Mohammed Saad has more than 35 years of experience in both university and industrial research fields. He has over 70 publications and 25 invited talks in international conferences. In 1986 he obtained his Ph.D. in fluoride glasses and fibers, from Rennes University in France. In 2003 he founded Irphotonics in Montreal (Canada), a leader in fluoride glass fibers technology. In 2013, Irphotonics has been acquired by Thorlabs. And since then Dt. Saad is a senior scientist at Thorlabs, Inc. in NJ, USA. Dr. Saad is a senior member of SPIE and OSA. He is member of technical committee of many international conferences.

MAXIME DELMÉE
LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY, , LUXEMBOURG





Title:Laser Ablation in Organic Precursors and Atmospheric Plasma Polymerization: a Convenient Combination for Synthesis of Hybrid Antibacterial Coatings

Maxime Delmée has completed his PhD at the age of 27 years from a collaboration between Luxembourg Institute of Science and Technology and the University of Haute Alsace. He is material scientist specialized in laser synthesis of nanomaterials and atmospheric pressure plasma polymerization for biomedical applications. He has published several papers in plasma and physical chemistry journals.

JIANHUA LIU
FUDAN UNIVERSITY
SHANGHAI, CHINA

EuroSciCon





Title: Picometer scale bandwidth optical bandpass filtering in prism pair coupled planar optical waveguide

Dr. Jianhua Liu got his Ph.D in 1995 from Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Science. After that, he joined Fudan University. His interested fields of research include laser spectroscopies, experimental studies on short laser pulse interaction with thin film materials, liquid crystal optics, and optical properties of optical planar waveguides.

AMLAN KUSUM ROY
INDIAN INSTITUTE OF SCIENCE
EDUCATION AND RESEARCH, INDIA

EuroSciCon





Title: Information entropy in confined atomic systems

Dr. Amlan. K. Roy completed his PhD in theoretical chemistry from Panjab University, in India. Later he pursued his post-doctoral research in a number of places in North America, such as University of New Brunswick (Fredericton, Canada), University of Kansas (Lawrence, USA), University of California (Los Angeles, USA), University of Florida (Quantum Theory Project). His primary research interest is to develop methods for electronic structure and dynamics of many-electron systems, within the broad domain of density functional framework. Presently he is an Associate Professor at IISER Kolkata. He has published more than seventy research papers and book chapters in reputed journals. He has been serving as a reviewer in several renowned journals. His biography has been included in 63rd Edition of Marquis Who's Who in America, 2009. In 2012 he has edited a book entitled "Theoretical and Computational Developments in Modern Density Functional Theory".

UTTAM BANIK
DHAKA, BANGLADESH

EuroSciCon





Title: Probable systematic approach of satellite signal barriers

Uttam Banik is Broadcast Engineer in Duronto Television at Dhaka, Bangladesh. He attended as a researcher in IEEE Sponsored 2nd International Conference for Convergence of Technology 2017 (I2CT), Pune, India. He has M.Sc. Engg. In Information Systems Security, Bangladesh University of Professionals (BUP), Mirpur Cantonment, Dhaka, Bangladesh. His study major was Satellite Security Compliances. He attended a course for Certification of Achievement on Modern Broadcast Technology from National Institute of Mass Communication (NIMC).