conferenceseries.com

6th International Conference on Theoretical and Applied Physics

May 16-17, 2019
Berlin, Germany



SCIENTIFIC PROGRAM

DAY 1
Thursday 16th May

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50 Meeting Hall 01 **KEYNOTE LECTURES**

11:50-13:10

MEETING HALL 01	MEETING HALL 02
Talks On: Theoretical Physics | Experimental and Computational Physics | Condensed Matter Physics	**Talks On:** High Energy Nuclear Physics | Astro-Particle Physics | Cosmology
Quark-gluon plasma	Subatomic physics
Atomic optical science	Nucleosynthesis
topological phases of quantum matter	Nuclear fusion & fission
quantum magnetism	Nuclear forces & nuclear models
Nuclear astrophysics	Cosmology

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00

MEETING HALL 01	MEETING HALL 02
Talks On: Material Science & Engineering | Plasma Physics | Medical Physics	**Talks On:** Lasers, Optics & Photonics | Solid State Physics | Bio Physics
Biomaterials	Particle interactions in plasma
Material Physics	Complex plasma phenomena
Superconducting Materials	Laser Fusion Facilities
Electronic, Optical & Magnetic Materials	Free Electron Laser

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Research Forum	Workshop

DAY 2
Friday 17th May

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50	MEETING HALL 01	MEETING HALL 02
	Talks On: Quantum Physics & Technology | Atomic and Molecular Physics	**Talks On:** Electromagnetism| Spintronics
	Quantum Field Theory	Atomic optical science
	Quantum Computing	Molecular optical sciences
	Quantum Optics	The Quantum Mechanics of Spin
	Quantum Mechanics	Spin Orbit Interaction
	Atomic spectroscopy	Quantum Computing with Spins

12:50-13:35 LUNCH BREAK

13:35-15:55	MEETING HALL 01	MEETING HALL 02
	Talks On: Nanotechnology | Bio Physics | Nuclear forces & nuclear models	**Talks On:** Superconducting Materials | Nuclear astrophysics
	Nanoparticles	Advanced Nanomaterials
	Nanomaterials	Biophysical approaches to cell biology
	Nano wires	Complex biological systems
	Nano-Structures	Membrane biophysics

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	Workshop

PAST AFFILIATES

PAST AFFILIATES

Ling Jun Wang
University of Tennessee at Chattanooga, USA

Debabrata Saha
Northern Virginia Section of IEEE Information Theory Society, USA

Vasily Yu Belashov
Kazan Federal University, Russia

Johannes Gruenwald
Gruenwald Laboratories, Austria

Hiqmet Kamberaj
International Balkan University, Republic of Macedonia

Vladimir G Plekhanov
Fonoriton Sci. Lab, Estonia

Mikhail A Mochalov
Russian Federal Nuclear Center, Russia

Valentina Markova Kirilova
Bulgarian Academy of Sciences, Bulgaria

Benedek J Nagy
Wigner Research Centre for Physics, Hungary

Naoum Karchev
Sofia University, Bulgaria

Ümmügül Erözbek Güngör
Middle East Technical University, Turkey

Mohamed El-Zohry
Sohag University, Egypt

Shaidullin R I
Moscow Institute of Physics and Technology, Russia

Albiomy Abd El-Daiem
Sohag University, Egypt

Aleksei Koniashkin
Moscow Institute of Physics and Technology, Russia

Qiuhe Peng
Nanjing University, China

Takashi Matsuoka
Tohoku University, Japan

William W Arrasmith
Florida Institute of Technology, USA

Vasily Yu Belashov
Kazan Federal University, Russia

S Saghafi
Vienna University of Technology, Austria

Ganka Stoeva Kamisheva
Bulgarian Academy of Sciences, Bulgaria

Valentyn A Nastasenko
Kherson State Maritime Academy, Ukraine

Aleksei Koniashkin
Moscow Institute of Physics and Technology, Russia

Petteri Pusa
University of Liverpool, UK

Shaidullin R I
Moscow Institute of Physics and Technology, Russia

Ayesha Mohyuddin
University of Management and Technology, Pakistan

PAST AFFILIATES

PAST AFFILIATES

Rajkumar Thapa
Holy Angel's E B School, Nepal

D N Poenaru
Horia Hulubei National Institute of Physics and Nuclear Engineering, Romania

J P Draayer
Louisiana State University, USA

Gottfried Münzenberg
GSI Helmholtz Centre for Heavy Ion Research, Germany

Gui Lu Long
Tsinghua University, China

Mioara Mugur Schachter
University of Reims, France

Laszlo P Csernai
University of Bergen, Norway

Livius Trache
Horia Hulubei National Institute of Physics and Nuclear Engineering, Romania

Yuichiro Nagame
Japan Atomic Energy Agency, Japan

Lidia Obojska
Siedlce University of Natural Sciences and Humanities, Poland

Eliza Wajch
Siedlce University of Natural Sciences and Humanities, Poland

Bernardo Gut
Volkshochschule beider Basel, Switzerland

Musa D Abdullahi
Umaru Musa Yar'adua University, Nigeria

Xiang yu Kong
Tsinghua University, China

Vasily Yu Belashov
Kazan Federal University, Russia

Alessandra Toncelli
Nanoscience Institute-CNR, Italy

Eliade Stefanescu
Institute of Mathematics of the Romanian Academy, Romania

Gaia Grimaldi
CNR – SPIN Institute, Italy

Paul E Wagner
University of Vienna, Austria

K E Prikhodko
National Research Centre Kurchatov Institute, Russia

Ulrich Wulf
Brandenburg University of Technology Cottbus-Senftenberg, Germany

Dragos Victor Anghel
Horia Hulubei National Institute of Physics and Nuclear Engineering, Romania

L. Gr. Ixaru
Horia Hulubei National Institute of Physics and Nuclear Engineering, Romania

PAST AFFILIATES

PAST AFFILIATES

Yukio Tomozawa
University of Michigan, USA

Labonté Laurent
University of Nice Sophia Antipolis, France

Natalia Korolkova
University of St. Andrews, UK

David Eimerl
EIMEX, USA

Almut Beige
University of Leeds, UK

Jianxin Chen
Chinese Academy of Sciences, China

Binayak S Choudhury
Indian Institute of Engineering Science and Technology, India

Nir Bar-Gill
Hebrew University, Israel

Manuel García-Méndez
CICFIM de la FCFM-UANL, México

Norio Kawakami
Kyoto University, Japan

Ian O' Driscoll
Cork Institute of Technology and Tyndall National Institute, Ireland

Fabian Hartmann
Universität Würzburg, Germany

Waseem Bakr
Princeton University, United States

Osamu Hirota
Tamagawa University, Japan

N Y Joly
University of Erlangen-Nürnberg, Germany

Yuji Hasegawa
TU-Wien Atominstitut der Österreichischen Universitäten, Austria

Kazuhisa Kakurai
QuBS, JAEA & CEMS, RIKEN, Japan

Colin Wilmott
Nottingham Trent University, UK

Maria Chekhova
Max-Planck Institute for the Science of Light, Germany

Michael T Deans
Freelance Scientist, United Kingdom

Gabriela Barreto Lemos
Institut für Quantenoptik und Quanten information, Austria

Alexander Kubanek
Ulm University, Germany

Ekmel Ozbay
Bilkent University, Turkey

Ajay Sharma
Chitkara University, India

PAST AFFILIATES

PAST AFFILIATES

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

Georgios Konstantinou
University of Cyprus, Cyprus

Kyriakos Kyriakou
University of Cyprus, Cyprus

Zachary Shollar
Purdue University, United States

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

C Wei Xu
Virtumanity, USA

Alexey Kryukov
University of Wisconsin Colleges, USA

Michael Leuenberger
University of Central Florida, USA

G Rupper
Army Research Laboratory, USA

Rab Nawaz
COMSATS Institute of Information Technology Islamabad, Pakistan

C Wei Xu
Verizon Communications, USA

Vasily Yu Belashov
Kazan Federal University, Russia

Georgi Shpenkov
University of Science and Technology in Bydgoszcz, Poland

Takumi Chikada
Shizuoka University, Japan

Michael Jefferson Lawrence
Maldwyn Centre for Theoretical Physics, UK

K S Al Mugren
Princess Nourah Bint Abdul Rahman University, Saudi Arabia

Vladislav Cherepennikov
Newton Society, Russia

Ioan Has
Nicolae Balcescu Land Forces Academy, Romania

Sergey Kravchenko
Northeastern University, USA

Vasily Yu Belashov
Kazan Federal University, Russia

Keyhandokht Karimi Shahri
University of Birjand, Iran

Israel Felner
Hebrew University of Jerusalem, Israel

M Khoshnevisan
Ajman University, UAE

Elena Tobisch
J Kepler University Linz, Austria

Berlin Attractions



Glimpses of Applied Physics Conferences















