Tentative Program

5th International Conference on

Theoretical and Applied Physics

July 02-03, 2018 Vienna, Austria



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops | Exhibitors | B2B Meetings

For available speaker slots

appliedphysics@annualconferences.org

5th International Conference on

Theoretical and Applied Physics

July 02-03, 2018 Vienna, Austria

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
		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)		
Evening Sessions	11.00-12.40	5 Speakers (20 Mins Each)	
	Lunch Break 12.40-13.30		
	13.30-15.30	6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	5 Speakers (20 Mins Each)	

19 Speakers for Day 1

Day 2

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25		
Evening Sessions	13.25-15.05	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Closing Cermony		
	NOTE: Program Shedule is subject to change with final allotment of the speaker slots		

30 Speakers on Day 2

Call for Abstract: http://appliedphysics.physicsmeeting.com/call-for-abstracts.php

Registration: http://appliedphysics.physicsmeeting.com/registration.php

Abstract Submission: http://appliedphysics.physicsmeeting.com/abstract-submission.php

Brochure:: http://appliedphysics.physicsmeeting.com/conference-brochure.php

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Conference Highlights

- Theory of Relativity
- Quantum Field Theory
- Unconventional Superconductivity
- Many Body Systems
- Lasers and Optics
- Semiconductor Devices
- Graphene and its Applications
- Spintronics
- Nanophotonics and Nanodevices



Plan your trip to Vienna



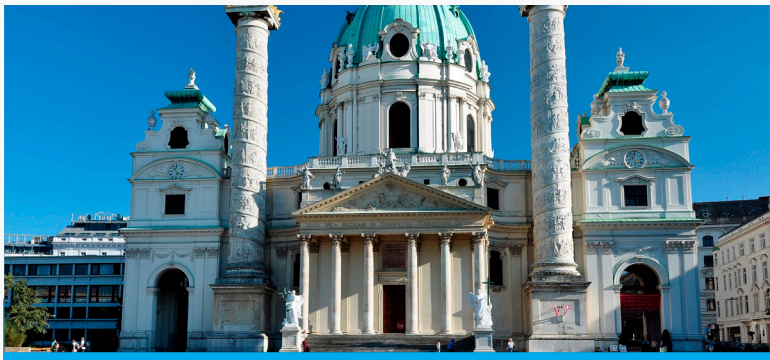
Belvedere Palace



City Hall



hofburg imperial palace



Karlskirche



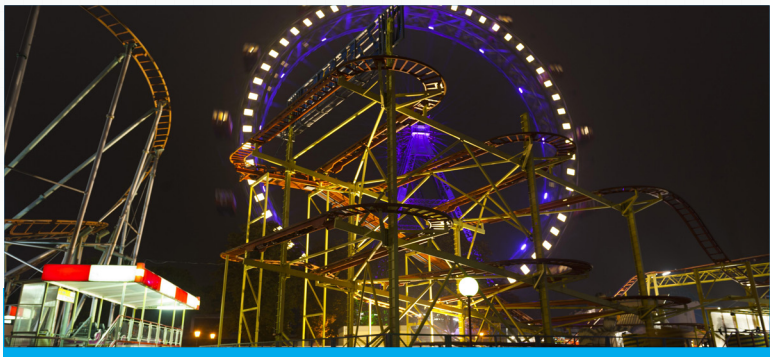
Schoenbrunn palace



St.Stephens Cathedral Church



Vienna StateOpera House



Wiene prater park

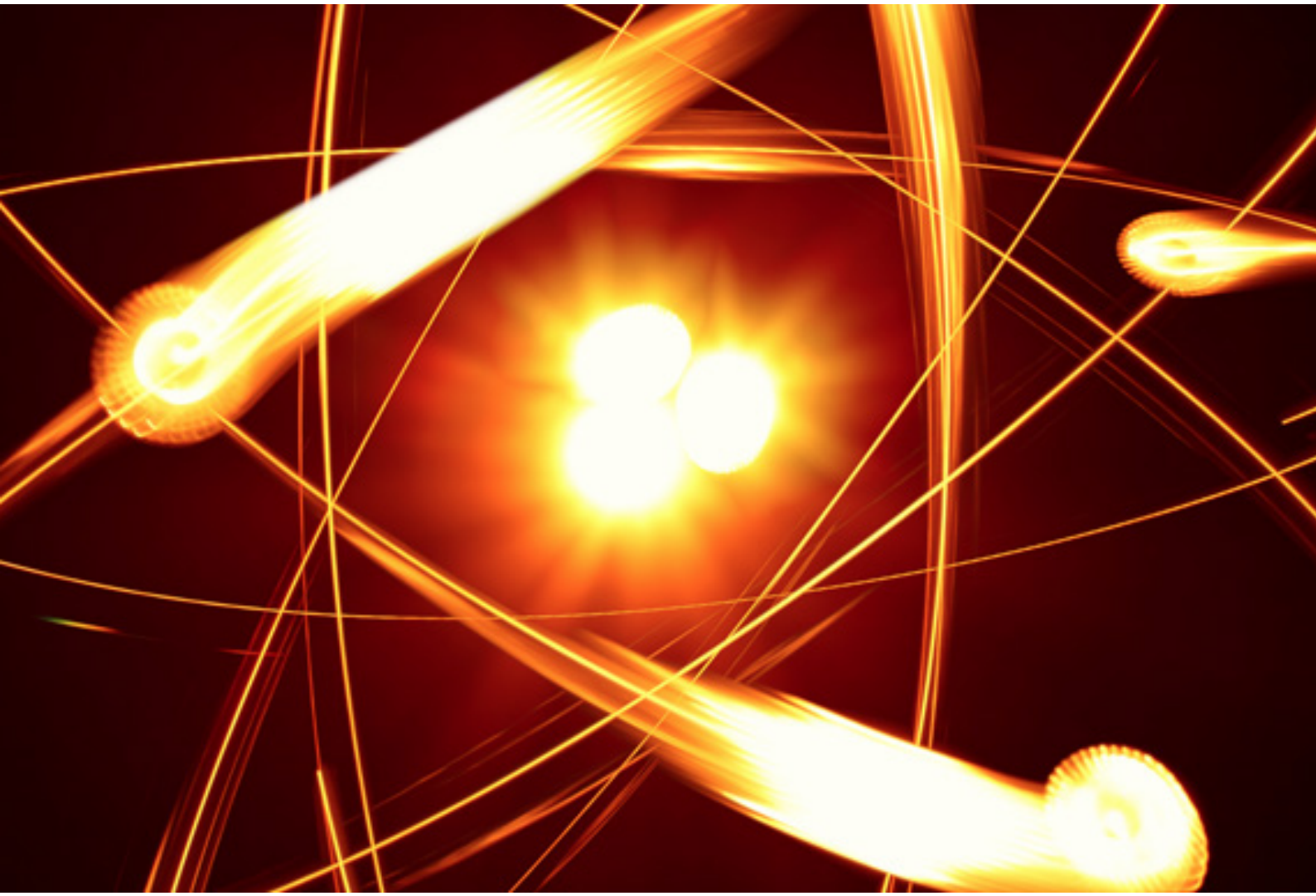
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1115th Conference

Scientific Program

2nd International Conference on

Physics

August 28-30, 2017 Brussels, Belgium



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47 Churchfield Road, London, W3 6AY
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Day 1 August 28, 2017

Registrations

Consulate

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Opening Ceremony

Keynote Forum

Introduction

Title: Multidimensional solitons in dispersive complex media: structure and stability

Vasily Yu Belashov, Kazan Federal University, Russia

Title: Dynamic properties of particles

Georgi Shpenkov, University of Science and Technology in Bydgoszcz, Poland

Group Photo

Networking and Refreshments Break

Plenary Talk

Title: Tritium permeation mechanism in fusion reactor fuel systems

Takumi Chikada, Shizuoka University, Japan

Sessions: Classical Physics | Applied Physics | Plasma Physics

Session Chair: Vasily Yu Belashov, Kazan Federal University, Russia

Session Co-chair: Álvaro Q Valenzuela, University of Chile, Chile

Session Introduction

Title: A hypothetical pre-fermion particle theory of everything

Michael Jefferson Lawrence, Maldwyn Centre for Theoretical Physics, UK

Title: Mathematical models versus physical mechanisms

Hans Deyssenroth, Germany

Title: XRF measurements of heavy elements in some archaeological samples collected from different parts of Saudi Arabia

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

Lunch Break

Title: Protection against pseudoscientific swindlers is necessary to the Science

Vladislav Cherepennikov, Newton Society, Russia

Title: Theoretical confirmation of the gravitation new origin having a dipolar electrical nature with Coulomb's law corrected

Ioan Has, Nicolae Balcescu Land Forces Academy, Romania

Panel Discussion

Sessions: Particle and Nuclear Physics | Atomic, Molecular and Optic Physics | Condensed Matter Physics

Session Chair: Eliade Stefanescu, Advanced Studies in Physics Centre of the Romanian Academy, Romania

Session Co-chair: Eliza Wajch, Siedlce University of Natural Sciences and Humanities, Poland

Session Introduction

Title: Strongly-correlated electrons in two dimensions

Sergey Kravchenko, Northeastern University, USA

Title: Evolution of solitary waves in complex media with variable dispersion

Vasily Yu Belashov, Kazan Federal University, Russia

Networking and Refreshments Break

Title: Boscovich unified field theory and atomism
Roger J Anderton, UK
Title: Investigation of conditions for electron equilibrium establishing in thermoluminescent dosimeter
Keyhandokht Karimi Shahri, University of Birjand, Iran
Title: Unusual irreversible magnetic behavior in three unrelated systems
Israel Felner, Hebrew University of Jerusalem, Israel

Panel Discussion

Day 2 August 29, 2017

Consulate

Special Session

Title: Discovery of a substantial mathematical and physical error in Albert Einstein's paper 1904 entitled "On the general molecular theory of heat" and calculating the new order of magnitude of the radiation wavelengths (black-body radiation)
M Khoshnevisan, Ajman University, UAE

Plenary Talk

Title: Nonlinear resonance analysis
Elena Tobisch, J Kepler University Linz, Austria

Networking and Refreshments Break

Sessions: Quantum Physics | Nanotechnology | Computational Physics

Session Chair: Vladislav Cherepennikov, Newton Society, Russia
Session Chair: Elena Tobisch, J Kepler University Linz, Austria

Session Introduction

Title: Classical interpretation of quantum phenomena
Álvaro Q Valenzuela, University of Chile, Chile
Title: Electromagnetic field, spin and gravitation, as characteristics of a charged quantum particle wave function
Eliade Stefanescu, Advanced Studies in Physics Centre of the Romanian Academy, Romania
Title: Numerical study of interaction of vortex structures in plasmas and fluid
Vasily Yu Belashov, Kazan Federal University, Russia
Title: Three-dimensional self-modulated beam dynamics of a non-laminar, ultra-relativistic beam in a non-relativistic cold plasma
Tahmina Akhter, Universita di Napoli Federico II, Italy

Lunch Break

Title: Playing with time definition
Dominique Ausserré, CNRS & Le Mans University, France
Title: Computation within models of ZF minus the postulate of infinity
Eliza Wajch, Siedlce University of Natural Sciences and Humanities, Poland
Title: Making magnetic monopole out of ordinary fields
Anatoly Shabad, University of Moscow, Russia

Panel Discussion

Networking and Refreshments Break

Young Researchers Forum

Title: T-invariance and mechanisms of the many particle multistep nuclear reactions and fission
Pavel V Kostryukov, Voronezh State University, Voronezh, Russia
Title: Liquid-liquid phase transition behaviour of 2,6-dimethylpyridine-water system with alkali halides
Kamoladdin Egamberdiev Bakhodirovich, Institute of Ion-Plasma and Laser Technologies - UzAS, Uzbekistan
Title: Vibrations of atoms around their equilibrium sites due to the interaction with neighbor atoms
Said Talbaoui, University Soultan Moulay Slimane, Morocco

Video Presentations

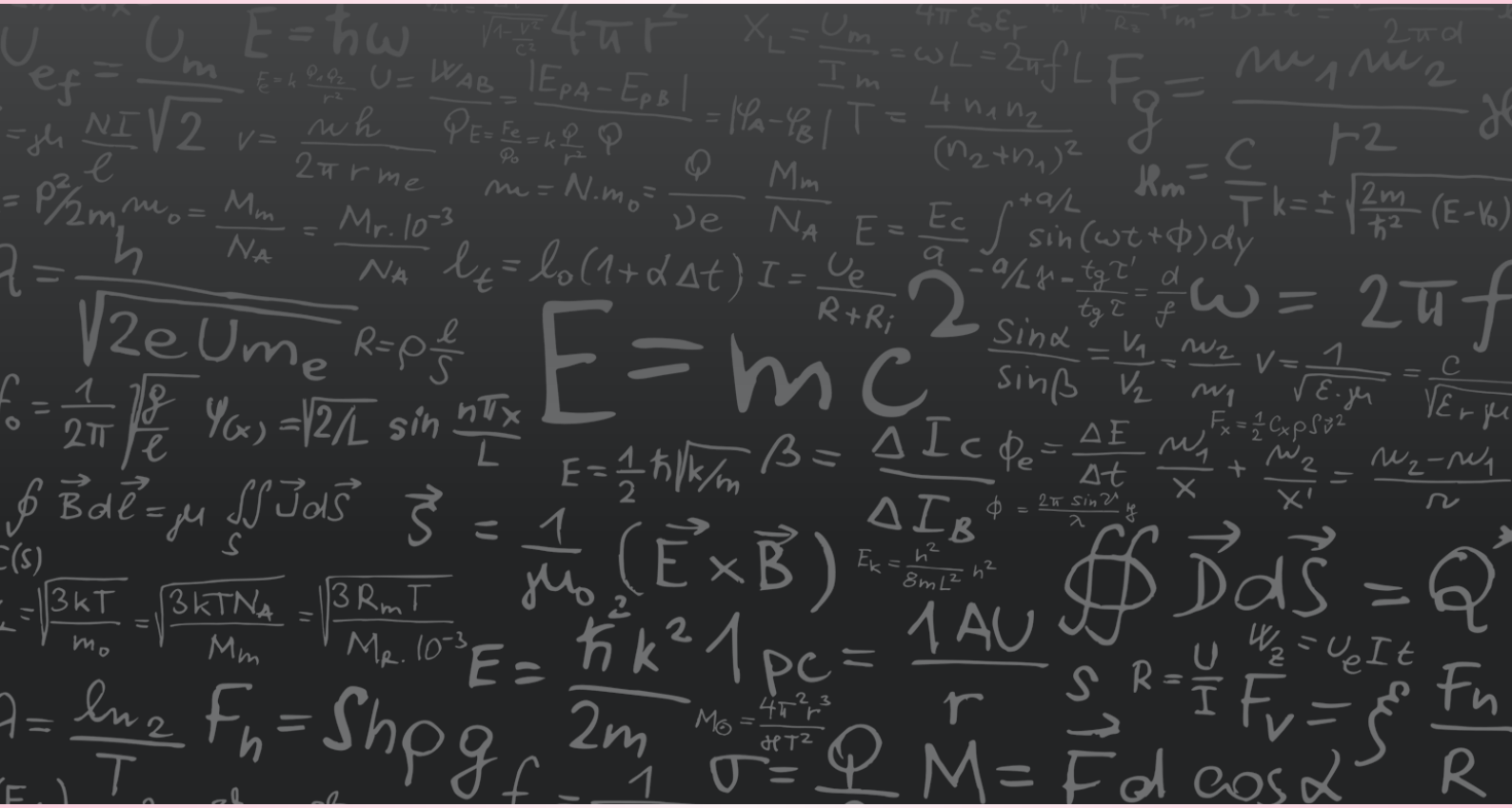
Title: Is the essence of a quantum game captured completely in the original classical game?
Colin Benjamin, National Institute of Science Education and Research, India
Title: Surface electromagnetic waves: past, present, future
Vladimir Datsko, Institute of Applied Geophisics, Russia

Panel Discussion

Awards & Closing Ceremony

Day 3 August 30, 2017

Networking Lunch



Bookmark your dates

3rd International Conference on

Physics

September 17-18, 2018 Berlin, Germany

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525th Conference

Scientific Program

International Conference on

PHYSICS

June 27-29, 2016 New Orleans, USA



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Day 1 June 27, 2016

Registrations

Salon 3

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Opening Ceremony

Keynote Forum

Introduction

Title: The invention of high efficient blue LEDs and future lighting
Shuji Nakamura, University of California Santa Barbara, USA

Title: Masses of black hole merger for the gravitational waves, GW150914
Yukio Tomozawa, University of Michigan, USA

Title: Spectrometric characterization techniques applied to artworks belonging to the historic and cultural heritage
Alejandro Martin Sanchez, University of Extremadura, Spain

Title: Scientific philosophy to unified physics
Chong Wei Xu, Verizon Communications, USA

Group Photo

Networking & Refreshment Break

Track 1: Physics
Track 2: Condensed Matter Physics

Session Chair: Shuji Nakamura, University of California Santa Barbara, USA
Session Co-Chair: Guang-Lin Zhao, Southern University and A&M College, USA

Session Introduction

Title: Revival of the phase-amplitude description of a quantum-mechanical wave function
George Rawitscher, University of Connecticut, USA

Title: The puzzle of anomalous isotope effect in High and Low Tc superconductors
Guang-Lin Zhao, Southern University and A&M College, USA

Title: Effect of triboluminescent and thermographic phosphor powders on the thermal, mechanical, and optical properties of elastomeric composite materials
Firouzeh Sabri, Universtiy of Memphis, USA

Title: Thick is Good
Li Ping Lu, University of Exeter, United Kingdom

Session Discussion

Lunch Break

Reception @ Dillard University

Day 2 June 28, 2016

Salon 3

Keynote Forum

Title: Single-molecule chemistry and spectroscopy on insulating films with STM
Yousoo Kim, RIKEN, Japan

Title: Spectral computational methods
George Rawitscher, University of Connecticut, USA

Networking & Refreshment Break

Title: Trends of nano science and nano technologies now and then
Abdalla M Darwish, Dillard University, USA

Title: Tomorrow's Science: Fractional calculus view of complexity
Bruce J West, US Army Research Office, USA

Special Session by Chong Wei Xu on "Horizons of Unified Physics"

- First Horizon of Unified Physics | Quantum Physics
- Second Horizon of Unified Physics | Macroscopic Densities and Thermodynamics
- Third Horizon of Unified Physics | Electromagnetism, General Relativity and Gravitation

Session Discussion

Lunch Break

Track 3: Advanced Physics
Track 4: Applied Physics
Track 5: Particle and Nuclear Physics

Session Chair: Rob L Allen, Sam Houston State University, USA
Session Co-Chair: Chong Wei Xu, Verizon Communications, USA

Session Introduction

Title: Basic equations calculate forces, many physical constants, and properties of particles that include masses
Rob L Allen, Sam Houston State University, USA

Title: 1D electron confinement in a graphene nano wrinkle
Yousoo Kim, RIKEN, Japan

Title: GOD doesn't play dice
Manish Kumar, Indian Institute of Technology(BHU), India

Title: Finite element analysis and optimization of cylindrical resonant photoacoustic cell
Madhusoodanan Mannoor, Dong-A University, Republic of Korea(South)

Session Discussion

Poster presentations

Networking & Refreshment Break

Track 6: Astrophysics
Track 7: Optical Physics

Session Chair: Yukio Tomozawa, University of Michigan, USA
Session Co-Chair: Abdalla M Darwish, Dillard University, USA

Session Introduction

Title: Double pulse laser deposition of polymer nanocomposite films for optical sensors and light emitting applications
Abdalla M Darwish, Dillard University, USA

Title: Acceleration, deceleration and finishing of universe expansion
Yukio Tomozawa, University of Michigan, USA

Title: Principles and applications of optical switching assisted imaging and structuring schemes
David Köhne, Laser-Laboratorium Göttingen e.V., Germany

Title: Ammonia sensor based on polymer-inorganic nano-composite thin film upconversion light emitter prepared by double-beam pulsed laser deposition
Aziz Muhammad & Deonte Alexander, Dillard University, USA

Session Discussion

Day 3 June 29, 2016

Salon 3

Track 8: Geophysics
Track 9: Quantum Physics
Track 10: Physics in Different Sciences
Track 11: Chemical Physics

Session Chair: Eugene Stephane Mananga, The City University of New York, USA
Session Co-Chair: Alejandro Martin Sanchez, University of Extremadura, Spain

Session Introduction

Title: Generalization of framework of analytic mechanics and unified description of quantum and classical physics
Tomoi Koide, Federal University of Rio de Janeiro, Brazil

Title: Some preliminary results obtained when indoor radon mitigation methods are applied
Alejandro Martin Sanchez, University of Extremadura, Spain

Title: Application of the pulsed fast/thermal neutron method for soil elemental analysis
Galina Yakubova, USDA/ARS National Soil Dynamics Laboratory, USA

Networking & Refreshment Break

Title: On Fer and Floquet-Magnus expansions: Application in solid-state nuclear magnetic resonance and physics
Eugene Stephane Mananga, The City University of New York, USA

Title: GOD's diagonistic tool is the mathematics and prescription is physics
Manish Kumar, Indian Institute of Technology(BHU), India

Title: Magnetic current and new modifications of Maxwell's equations
Mehdi Nosrati, University of Alberta, Canada

Session Discussion

Awards & Closing Ceremony

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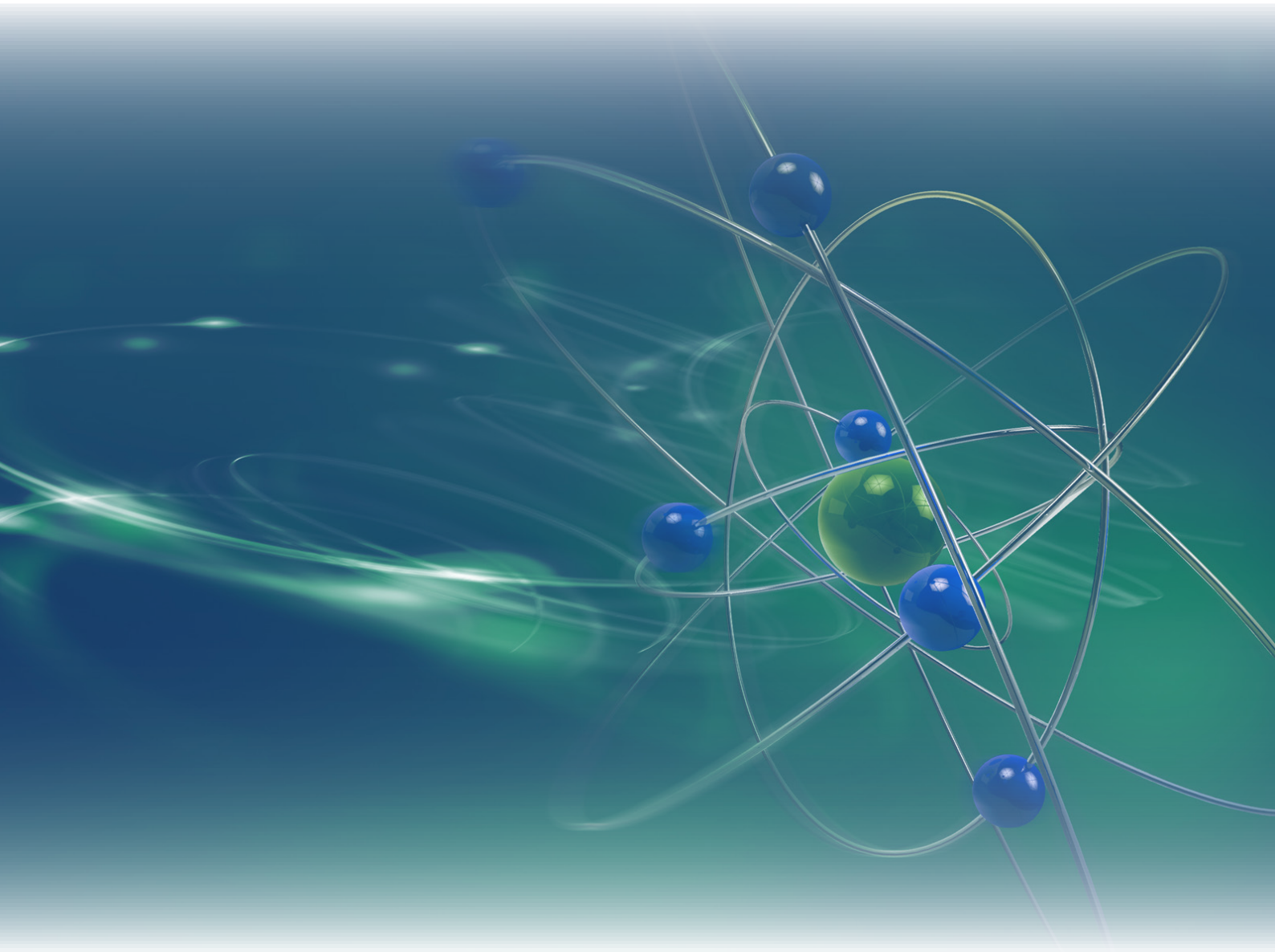
816th Conference

Scientific Program

International Conference on

Atomic and Nuclear Physics

November 17-18, 2016 Atlanta, USA



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Day 1 November 17, 2016

Registrations

Conference Hall

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Opening Ceremony

Keynote Forum

Introduction

Title: Ion-impact ionization of atoms and molecules
M S Pindzola, Auburn University, USA

Group Photo and Networking & Refreshment Break

Title: Detecting nothing with anti-electrons
Marc H Weber, Washington State University, USA

Sessions:
Atomic and Molecular Physics | Atomic Collisions

Session Chair: Moni Behar, Universidade Federal do Rio Grande do Sul, Brazil
Session Co-chair: Xiaoxing Zhang, Wuhan University, P R China

Session Introduction

Title: Coulomb heating behavior of fast light diclusters channeled into Si (110) direction
Moni Behar, Universidade Federal do Rio Grande do Sul, Brazil
Title: Influence of spin-orbit interaction on magnetic properties of fullerenes
Elena V Orlenko, Peter the Great St. Petersburg Polytechnic University, Russia
Title: Random unitary evolution model of dissipation, dephasing and quantum Darwinism
Nenad Balaneskovic, University of Technology Darmstadt, Germany

Lunch Break

Title: Encyclopedia micro-array traps for storing electrons or positrons – A first step towards antimatter as a source of energy
Marc H Weber, Washington State University, USA
Title: TBA
Allen L Landers, Auburn University, USA
Title: Recent progress in the development of nanomaterials-based sensors for applications in SF_6 insulated equipment monitoring
Xiaoxing Zhang, Wuhan University, P R China
Title: Study on the structural evolution of thiolate-protected gold clusters by means of ^{197}Au Mössbauer spectroscopy
Norimichi Kojima, Toyota Physical and Chemical Research Institute, Japan

Networking & Refreshment Break

Plenary Talk

Title: Counter-intuitive results in atomic and molecular physics
Eugene Oks, Auburn University, USA
Title: Positron scattering by lithium atom with electron exchange
Elena V Orlenko, Peter the Great St. Petersburg Polytechnic University, Russia
Title: On spl (5, 5) super-symmetric Eigen vectors of the 5D discrete Fourier transform
Natig Atakishiyev, Universidad Nacional Autónoma de México, México

Panel Disscussion

Day 2 November 18, 2016

Conference Hall

Keynote Forum

Title: Determination of nuclear charge radii using atomic laser spectroscopic measurements
William A Van Wijngaarden, York University, Canada
Title: Quantum simulation of thermodynamic and transport properties of the quark gluon plasma
Vladimir Filinov, Joint Institute for High Temperatures-Russian Academy of Sciences, Russia

Networking & Refreshment Break

Sessions:
Experimental Methods | Nuclear Physics | Current Frontiers of Nuclear and Atomic Physics

Session Chair: Mohamed Hamdi, Sup'Com, Elgazala Technopark, Tunisia
Session Co-chair: Xiaodong Li, National University of Defense Technology, P R China

Session Introduction

Title: On the role of bremsstrahlung in electron-nucleus collisions
Doris Jakubassa-Amundsen, Ludwig Maximilian University of Munich, Germany
Title: Accurate first-principle calculations of the spectra of diatomic molecules in planetary atmospheres
John Morrison, University of Louisville, USA
Title: To understand atomic nucleus from a new nuclear structure model
Xiaodong Li, National University of Defense Technology, P R China
Title: Atomic energy is the source of power which is another form of electrical energy
Manish Kumar, Indian Institute of Technology- BHU, India

Lunch Break

Title: Atomic power and cryptography: opportunities, challenges and achievements
Mohamed Hamdi, Sup'Com, Elgazala Technopark, Tunisia
Title: Cooperative radiation between blocks of three radiators through single- and two-photon mutual interactions
Nicolae A Enaki, Institute of Applied Physics of Academy of Sciences of Moldova, Moldova
Title: Spin radiation effects in classical and quantum electrodynamics: New look at an old experiment
S L Lebedev, Surgut State University, Russia
Title: Quantum description and dynamics of computer bits
Chidiebere Anigbo Alphonsus, Institute of Technology and Management-Ugep, Nigeria

Poster Presentations 15:30-16:10

ANP-01 **Title: Quasi-classical chemisorption study about hydrogen molecule storage on Cu_{13} and Pd_{13} atomic clusters**
Nada Elzein Eisa Omer, University of Dammam, KSA

ANP-02 **Title: Attractor spaces of dissipative dephased random unitary evolution and quantum Darwinism**
Nenad Balaneskovic, University of Technology Darmstadt, Germany

ANP-03 **Title: X-ray irradiation-induced changes in (PVA–PEG–Ag) polymer nano-composites films**
M M Abutalib, King Abdulaziz University, Saudi Arabia

ANP-04 **Title: Nanocrystalline Cu_2O/p-Si solar light-responsive Schottky photodiode**
Asmaa A Hendi, King Abdulaziz University, Saudi Arabia

Panel Disscussion

Awards & Closing Ceremony

Networking & Refreshment Break

Bookmark Your Dates

2nd International Conference on

Atomic and Nuclear Physics

November 02-03, 2017 Las Vegas, USA