Tentative Program

3rd International Conference on
Theoretical and Condensed Matter Physics
October 19-21, 2017  New York, USA

Theme: Stepping forward to a new era of advances in the field of Theoretical & Condensed Matter Physics
Title: Memristors – A New Technology Paradigm

Mehdi Anwar
University Of Connecticut
USA
Title: Atomic Dynamics in Liquid in Real Space and Time: Toward the Liquid-State-Physics

Takeshi Egami
University of Tennessee
USA

Title: Amorphous Magnetic Films

Joseph Poon
University of Virginia
USA

Title: Transport Theory in Condensed Matter Physics-Metamaterial is Phase Transition

Woon Siong Gan
Acoustical Technologies
Singapore

Title: Theory of Thermal Expansion of Localized Paramagnons

Rikio Konno
Kindai University
Japan

Title: Photoinduced Interfacial Electron Transfer Dynamics of CdSe Quantum Dots on Single Crystal Rutile TiO2 (001), (110), and (111) Surfaces

Taro Toyoda
Advanced Studies in Physics Centre of the Romanian Academy, Japan
Keynote Form

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   Takeshi Egami, University of Tennessee, USA

Title: Memristors – A New Technology Paradigm
   Mehdi Anwar, University of Connecticut, USA

Title: Structural and Optical Properties of the MoTe2-WTe2 Alloy System
   Sergey V. Kravchenko, Northeastern University, USA

Title: Proposed link between the periodic table and the standard model
   John O Roberts, University of Liverpool, UK

Title: Some progress concerning the use of Magnetic Barkhausen Noise for magnetic materials characterization
   Susan Schorr, Freie University, Germany

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   Patrick M. Vora, George Mason University, USA

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   Taro Toyoda, Advanced Studies in Physics Centre of the Romanian Academy, Japan

Keynote Opportunities Available

Featured Speakers

Title: Inspired by Photonics - unconventional electron flow across 2-D P-N junctions
   Avik Ghosh, University of Virginia, USA

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   Sergey V. Kravchenko, Northeastern University, USA

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   Patrick M. Vora, George Mason University, USA

Title: Some progress concerning the use of Magnetic Barkhausen Noise for magnetic materials characterization
   Jose Alberto Perez Benitez, Instituto Politécnico Nacional, Mexico

Title: Proposed link between the periodic table and the standard model
   John O Roberts, University of Liverpool, UK

Title: Magnetic and transport properties in Mn doped III-V semiconductor: the cases of GaAs and InP
   Georges Bouzerar, Centre National de la Recherche Scientifique, France

Title: E-BABE-Effect of phase transition on spin transport in quantum frustrated antiferromagnets
   Leonardo dos Santos Lima, Centro Federal de Educação Tecnológica de Minas Gerais, Brazil

Title: Ballistic Transport of Spin Waves in ultrathin disordered [Fe1-cNic]n alloy nanojunctions between Co leads using an EFT-PFMT formalism
   Elie A. Moujaes, Federal University of Rondônia, Brazil

Title: Introduction in the Band Theory of Liquid Dielectrics
   Alexander Shimkevich, NRC Kurchatov Institute, Russia

Title: Treatment of the 'sing problem' by pair phase space pseudopotential
   Vladimir Filinov, Russian Academy of Sciences, Russia

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Title: Quantum Simulation of (1+1)D U(1) lattice gauge-Higgs model by using cold atoms in one-dimensional optical lattice
Yoshihito Kuno, Kyoto University, Japan

Title: Characterization and Theranostics Application of Pluralistic Ferrite Nanoparticles
Yuko Ichiyanagi, Yokohama National University, Japan

Title: A non-equilibrium approach regarding hot metals
Juan-Luis Domenech-Garret, Madrid Technical University, Spain

Title: Environmental heat conversion into usable energy as a quantum effect of the matter-field dynamics
Eliade Stefanescu, Physics Centre of the Romanian Academy, Romania

Title: Synthesis of graphene-Fe magnetic nanofluid for enhancement of water thermal conductivity
Mohammed Ibrahim, Süleyman Demirel University, Turkey

Title: Spin-Orbit Interaction and Topological States in Spin 3/2 Cold Atomic Gas
Yshai Avishai, Ben Gurion University, Israel

Title: Initial Model of Ether Describing Electromagnetic Phenomena, Including Gravity
Ioan Has, Land Forces Academy, Romania

Title: Study of structural and magnetic properties of manganese doped cobalt ferrite nanoparticles for high frequency and sensor applications
Feroz Alam Khan, Bangladesh University of Engineering and Technology, Bangladesh

Title: First principles calculations on the effect of addition of X (Co, Rh, Ir) on TiPd
Rita John, University of Madras, India

Title: Negative partial density of states in mesoscopic systems
P. Singha Deo, S. N. Bose National Centre for Basic Sciences, India

Title: First Principle Calculation of Lattice Constants and Formation Energy for Generalized Quasirandom Structures of InGaN Alloy
Rohin Sharma, Kathmandu University, Nepal

Title: On-Chip Plasmonic Modulator
Mohamed Swillam, American University in Cairo, Egypt

Speakers Slots are Available
Avail Group Discounts
Venue & Hospitality

Welcome to the Official Attendee Housing Site for the “3rd International Conference and Exhibition on Theoretical and Condensed Matter Physics” will be held in the beautiful and exciting city of New York, USA.

Hilton New York JFK Airport Hotel,
144-02 135TH AVENUE, Jamaica
NEW YORK-11436, USA

Contact communication
Hilda Cangelosi ~ Director of Sales
Email id: Hilda.Cangelosi@Hilton.com
Phone: 1 718.269.3041

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New York is a state in the Northeastern United States and is the 27th-most extensive, fourth-most populous and seventh-most densely populated U.S. state. New York is bordered by New Jersey and Pennsylvania to the south and Connecticut, Massachusetts, and Vermont to the east. The state has a maritime border in the Atlantic Ocean with Rhode Island, east of Long Island, as well as an international border with the Canadian provinces of Quebec to the north and Ontario to the west and north. The state of New York, with an estimated 19.8 million residents in 2015, is often referred to as New York State to distinguish it from New York City, the state’s most populous city and its economic hub. New York City has been offering a wide array of medical, cosmetic, laser and plastic surgery services. In addition to specializing in all areas of adult and Pediatric dermatology, many of the doctors have subspecialty training in their field of expertise. Their facilities provide personalized, conservative, effective and less painful treatments for a variety of skin conditions. Their board certified physicians are collectively fellows of the American Academy of Dermatology, American Society for Laser Medicine and Surgery, American Contact Dermatitis Society, and many other societies. With the special expertise and the unusually broad range of services provided at the state-of-the-art offices, they have been featured in many local and national newspapers and magazines as well as radio and television news programs. They have convenient locations throughout New York and New Jersey. They really continue to improve their procedures and services with the most up-to-date advanced instruments and techniques that the dermatological field offers. The New York metropolitan area has the busiest airport system in the United States. It is also the most frequently used port of entry and departure for international flights. The metro area is served by three major airports, John F. Kennedy International Airport (JFK), Newark Liberty International Airport (EWR) and La Guardia Airport (LGA), which have been operated by PANYNJ since 1947. The International Air Transport Association airport code (IATA code) “NYC” is reserved to refer to these three airports. JFK and Newark are connected to regional rail systems by AirTrain JFK and AirTrain Newark respectively.

**Venue**

New York, USA

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**Important Dates**

Early bird Registration: July 20, 2017

On spot Registration: October 15, 2017
Best Tourist Destinations in New York

- Watkins Glen State Park
- Ellis Island Immigration Museum
- Empire State Building
- Letchworth State Park
- Metropolitan Museum of Art
- New York Public Library
- St Patrick's Cathedral
- Central Park

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