

Tentative Program

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

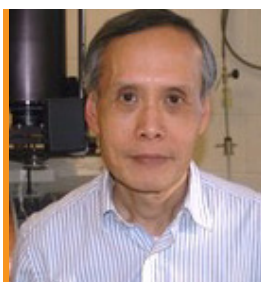
**Theme: Stepping forward to a new era
of advances in the field of Theoretical
& Condensed Matter Physics**

Conference Secretariat

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Northern Kentucky University, USA



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Professor
Instituto Politécnico Nacional in Mexico
Mexico



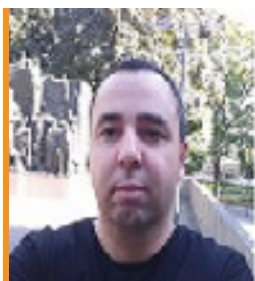
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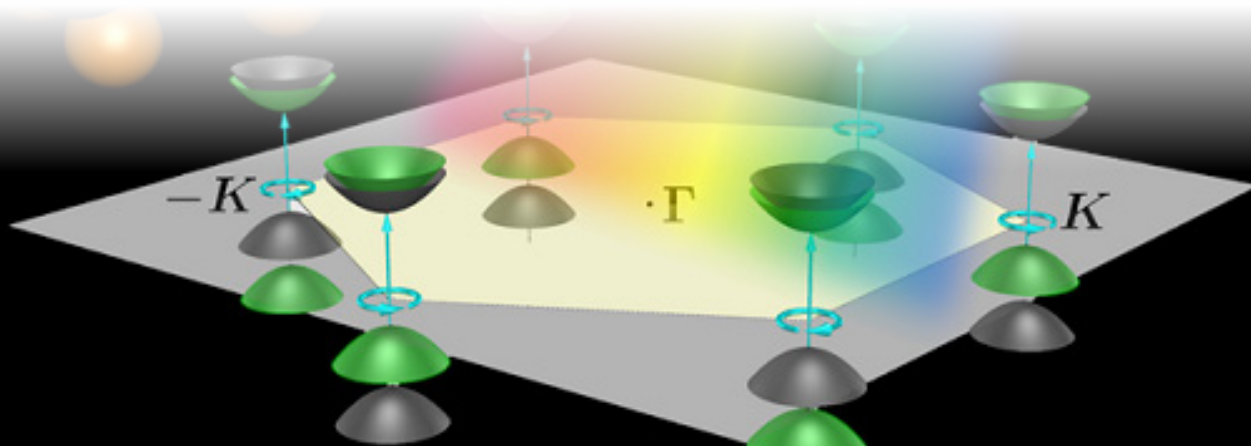
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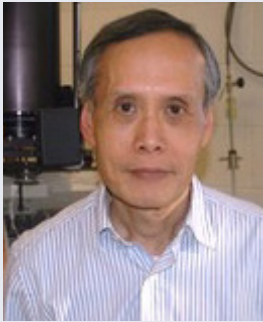
Mohamed Swillam
Director
American University in Cairo, Egypt



Keynote Speakers

Title: Atomic Dynamics in Liquid in Real Space and Time: Toward the Liquid-State-Physics

Takeshi Egami
University of Tennessee
USA



Joseph Poon
University of Virginia
USA

Title: Amorphous Magnetic Films

Title: Transport Theory in Condensed Matter Physics-Metamaterials Phase Transition

Woon Siong Gan
Acoustical Technologies
Singapore



Rikio Konno
Kindai University
Japan

Title: Theory of Thermal Expansion of Localized Paramagnons

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

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: The interplay between off-stoichiometry and intrinsic point defects in quaternary compound semiconductors
Susan Schorr, Freie Universität, Germany

Title: Theory of Thermal Expansion of Localized Paramagnons
Rikio Konno, Kindai University, Japan

Title: Transport Theory in Condensed Matter Physics-Metamaterial is Phase Transition
Woon Siong Gan, Acoustical Technologies, Singapore

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

Featured Speakers

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

Title: Structural and Optical Properties of the MoTe₂-WTe₂ Alloy System
Patrick M. Vora, George Mason University, USA

Title: Fundamental Physics Experiment Reveals Origin Construct Of DNA
Manuel S Morales, University of Montreal, USA

Title: Phonon interference and emergence of energy wave packets
Anant Raj, North Carolina State 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: 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 [Fe_{1-c}Ni_c]_n alloy nanojunctions between Co leads using an EFT-PFMT formalism
Elie A. Moujaes, Federal University of Rondônia, Brazil

Title: Density matrix in description of the collision of atomic particle with solid film
Gennadiy Filippov, Chuvash State Agricultural Academy, Russia

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

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: Absorption processes and their relationship with the transport processes in Semiconductors

Ricardo Ceballos, National University of Colombia, Colombia

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: Topological Excitations In Low Dimensional Magnetic Systems

Ranjan Chaudhury, S. N. Bose National Centre for Basic Sciences, India

Title: Structural, optical and gas sensing properties of swift heavy ions irradiated metal oxide thin films

Azher M. Siddiquia, Jamia Millia Islamia, India

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: On-Chip Plasmonic Modulator

Mohamed Swillam, American University in Cairo, Egypt

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

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About New York

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

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



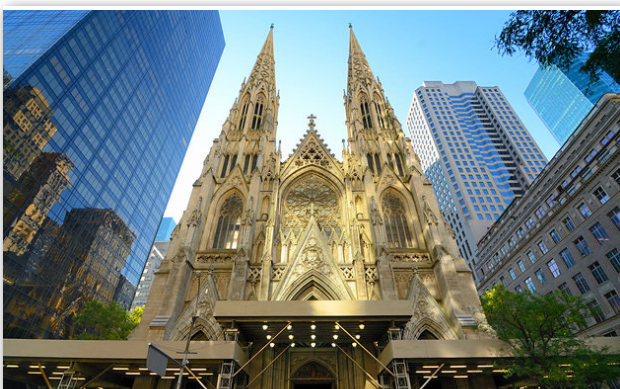
Letchworth State Park



Metropolitan Museum of Art



New York Public Library



St Patrick's Cathedral



Central Park