

# International Summit on Physics and Astronomy

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November 14-15, 2019 | Osaka, Japan



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**Coalesce Research Group**

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# International Summit on Physics and Astronomy

Day-1 November 14, 2019

Hall Name

09:00 - 09:30 Registrations

09:30 - 09:50 Introduction

## Keynote Forum

09:50 - 10:35 Title: From Relativity to Creation of Temporal ( $t > 0$ ) Universe  
**Francis T. S. Yu**, Penn State University, University Park, PA 16802, USA

Group Photo (10:20 - 10:30)

Networking & Refreshments (10:45 - 11:00)

Plenary Sessions

Sessions:

Astronomy, Cosmology, Astro particle Physics, Quantum Gravity,  
Astrophysics, Material science and nano materials.

Session Chair: **Francis T. S. Yu**

Session Co-Chair: **Sky Oliver Andreas Damos**

11:45 - 12:10 Title: The Creation of a Quantum Mechanic Universe  
**Javad Fardaei**, Independent, USA

12:10 - 12:35 Title: Quasi - Stationary Optical Gaussons  
**Anjan Biswas**, Department of Physics, Chemistry and Mathematics, Alabama A&M University, Normal, AL - 35762, USA

12:35 - 13:00 Title: Bright Solitons for Nonlinear Schrödinger Models in Optical fibers  
**Anwar Jaafar Mohamad Jawad**, Al Rafidain University College, Baghdad-10014, Iraq

Lunch (13:00 - 14:00)

14:00 - 14:25 Title: Aspects of primordial black hole  
**Yuichiro Tada**, Nagoya University, Japan

14:25 - 14:50 Title: Synthesis of highly Stable white light emitting Carbon Quantum dots  
**Asha Bhardwaj**, Department of Instrumentation and Applied Physics, IISc Bangalore 560012, India

14:50 - 15:15 Title: From thermomass energy to dark energy  
**Haidong Wang**, Department of Engineering Mechanics, Tsinghua University, Beijing 100084, China

15:15 - 15:35 Title: Synthesis of Graphene Oxide by Employing Multimode Microwave Applicator  
**Charu Lata Dube**, Central University of Gujarat School of Nano Sciences, Gandhinagar - 382030, India

15:35 - 16:00 Title: Investigation of magnetized accretion flow properties around a black hole and prospects with Astrosat  
**Biplob Sarkar**, The ICFAI University - Tripura, Agartala, 799210, India

Networking & Refreshments (16:00 - 16:15)

16:15 - 16:40 Title: The Nature - Philosophy of Non - Inflationary Cosmology  
**A. K. Aветissian**, Yerevan State University, Armenia

16:40 - 17:05 Title: Low Energy Buildings Design and Human Comfort Solutions  
**Abdeen Omer**, Energy Research Institute, United Kingdom

17:05 - 17:30 Title: On a Plausible Triple Electro - Gravito - Informational Significance of the Fine Structure Constant  
**Andrei - Lucian Dragoi**, Independent Researcher, Romania

17:30 - 17:55 Title: Gravitational waves and the classification of spacetimes that are asymptotically flat  
**A. H. Kara**, University of the Witwatersrand, South Africa

End of Day 1

# International Summit on Physics and Astronomy

Day-2 November 15, 2019

Hall Name

## Keynote Forum

- 09:30 - 10:15 Title: Schrödinger's Cat and His Timeless ( $t = 0$ ) Quantum World  
**Francis T. S. Yu**, Penn State University, University Park, PA 16802, USA
- 10:15 - 11:00 Title: Astronomical Evidence of Magnetic Monopoles and Its Implication - Mechanism of Supernova explosion and Challenge to Black Hole Models  
**Qiu - He Peng**, Nanjing University, China

## Group Photo

Networking & Refreshments (11:00 - 11:15)

Plenary Sessions

### Sessions:

Condensed Matter Physics and Materials, Applied Physics,  
Mathematical & Computational Physics, Medical Physics and Biophysics

Session Chair: **Javad Fardaei**

Session Co-Chair: **Anjan Biswas**

- 11:15 - 11:40 Title: Theorem of the Keplerian kinematics  
**Hervé Le Cornec**, HCL - Research Labs, France
- 11:40 - 12:05 Title: Applications of Riemann - Liouville Fractional Integral Operator in Modern Physics  
**Soroosh Mohammadi Farsani**, Islamic Azad University, Iran
- 12:05 - 12:30 Title: Exact solutions of the cubic nonlinear Schrödinger equation with a Pöschl - Teller potential by Laplace - Adomian method  
**Oswaldo Gonzalez - Gaxiola**, Autonomous Metropolitan University, Mexico City
- 12:30 - 12:55 Title: The Electron and The Electron Charge Explained  
**Adrian Ferent**, Augustin Maier College, Romania

## Lunch (12:55 - 13:55)

- 13:55 - 14:20 Title: Optical Solitons with Chen - Lee Liu Equation by Lie Symmetry  
**Anupma Bansal**, Panjab University, India
- 14:20 - 14:45 Title: Absolute Geometry of Space - Time and Cosmogony  
**Besud Ch. Erdeni**, Bayangol district 4<sup>th</sup> khoroo, 8-1, Mongolia
- 14:45 - 15:10 Title: A comparative study on dynamic nuclear Stark shift in hydrogen - like Uranium - 238 and muonic Ne - 20  
**Sidra Shafiq**, Government College University, Pakistan
- 15:10 - 15:35 Title: Inverse scattering simulation for objects location using the amplitude and phase of the multistatic scattering matrix  
**Luminita Moraru**, University 'Dunarea de Jos' of Galati, Romania

# International Summit on Physics and Astronomy

## Poster Presentations (15:35 - 16:00)

Poster Judge: **Francis T. S. Yu**

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| POS1 | Title: Producing Interstellar Speed Throughout Space - Time By Unifying Gravity With Electromagnetism, Mathematics, Supersymmetry, Matter, Dark Matter, Dark Energy And The Supposedly Unrelated Higgs Boson<br><b>Rodney Bartlett</b> , Independent researcher, Australia |
| POS2 | Title: Calculation of Dark Energy and Dark Matter<br><b>Friedhelm M. Jöge</b> , Germany  |
| POS3 | Title: Electromagnetic excitations in a non - ideal 1D lattice of microcavities with embedded quantum dots<br><b>V.V. Romyantsev</b> , Galkin Institute for Physics & Engineering, Ukraine   |

## Networking & Refreshments (16:00 - 16:15)

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| 16:15 - 16:40 | Title: Quantum Entanglement & Special Relativity Connected With Everything From Neutrons, Dark Matter & Ocean Tides To Matrix Maths, Dark Energy & Higher Dimensions<br><b>Rodney Bartlett</b> , Independent researcher, Australia |
| 16:40 - 17:05 | Title: Gravitation - Flat Power Field<br><b>Sergey Orlov</b> , PSU, Russia   |
| 17:05 - 17:30 | Title: Tungsten evaporation model under pulsed heat load with high power density<br><b>Galina G. Lazareva</b> , Institute of Computational Mathematics and Mathematical Geophysics SB RAS, Novosibirsk, Russian Federation         |

## Panel Discussion - Awards & Closing Ceremony

End of Day 2