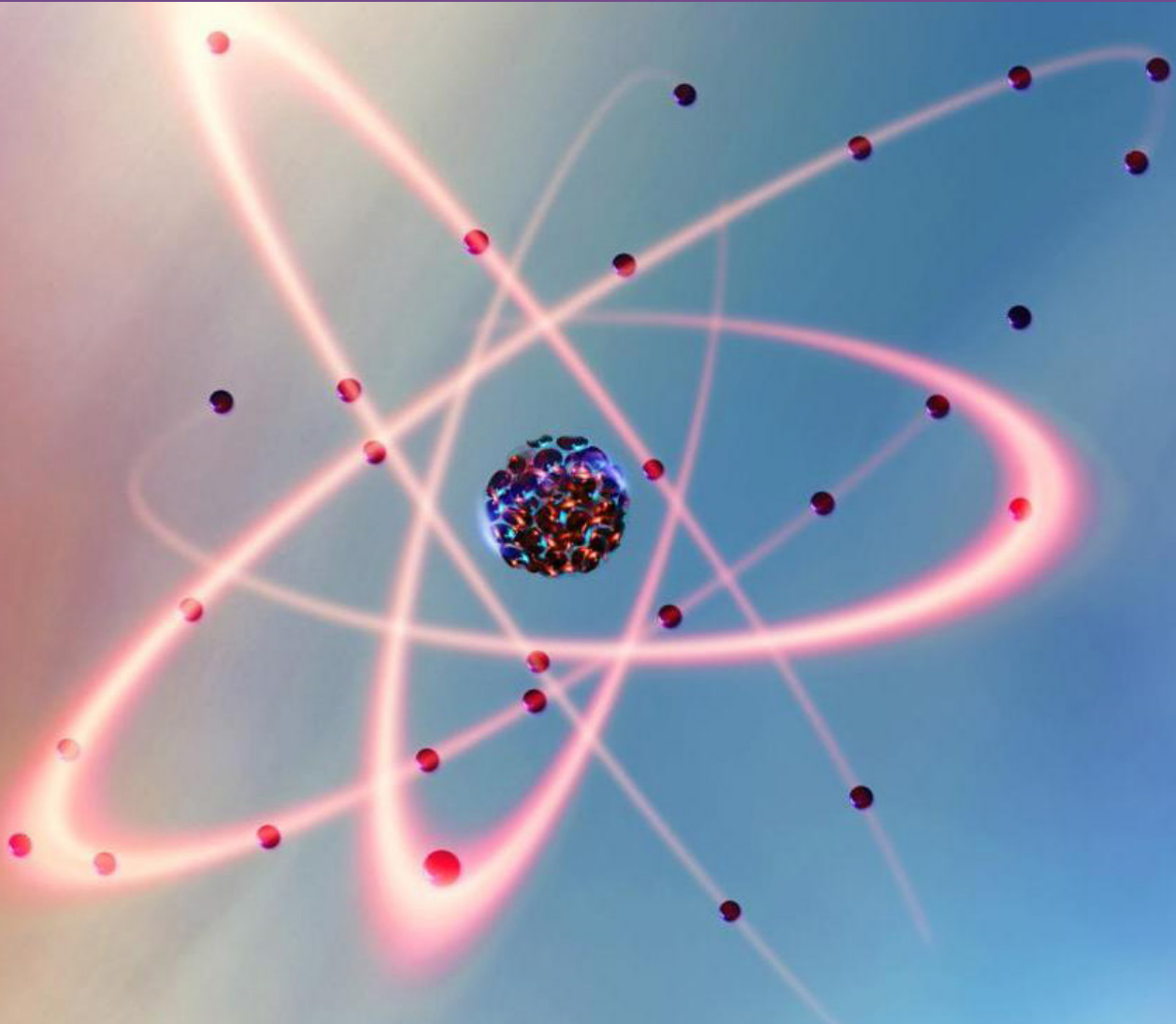




Scientific Program

2nd International Conference on **Quantum Mechanics & Nuclear Engineering**

September 23-24, 2019 | Paris, France



Scientific Federation
Panjagutta, Hyderabad, Telangana-500082, India

Day 1 September 23, 2019

Main Hall

- 08:00-09:00 Registrations
09:00-09:15 Introduction & Opening Words

Plenary Forum

- 09:15-09:55 **Title: When Intrinsic Randomness Could Come from the Finite/Infinite Transition**
Jean-Francois Geneste, Skolkovo Institute of Science and Technology, Russia
- 09:55-10:35 **Title: Astronomical Evidence of Magnetic Monopoles and Its Implication**
Qiu-He Peng, Nanjing University, China
- 10:35-11:15 **Title: Adiabatic Process in Charging a Capacitor**
Sami AL-Jaber, An-Najah National University, Palestine

Refreshments Break 11:15-11:30 @ Foyer

- 11:30-12:30 **Title: A Detour in Twenty First Century Physics**
Debabrata Saha, Northern Virginia Section of IEEE Information Theory Society, USA

Keynote Forum

- 12:30-13:00 **Title: Coulomb Interaction in H₂ Molecule for States Beyond the Ground State**
Haiduke Sarafian, The Pennsylvania State University, USA

13:00-13:05

Group Photo

Lunch Break 13:05-14:00 @ Restaurant

- 14:00-14:35 **Title: The Quantum Monte Carlo Method and its Application to Water-Gas Shift Catalysis on Pt(111)**
Philip E Hoggan, Institute Pascal, France
- 14:35-15:15 **Title: Space Particle Dualism Theory (Quantum Gravity)**
Sky Oliver Andreas Darnos, Hong Kong Polytechnic University, Hongkong

Oral Talks

Sessions

**Fundamental Concepts of Nuclear Engineering | Pure and Applied Physics |
Material Science | Astronomy and Space Science | Particle and Nuclear Physics**

Session Chair

Bhekuzulu Khumalo, Private Researcher, Canada

- 15:15-15:35 **Title: Algorithm of Information and the Origins of Basic Particles**
Bhekuzulu Khumalo, Private Researcher, Canada
- 15:35-15:55 **Title: Self-Organized Bulk pn Homojunctions based on Cu-In-Se Nanocrystals for Opto-Electronic Devices**
Shalini Menezes, InterPhases Solar, USA
- 15:55-16:15 **Title: Sub-Nucleon Shell Structure Model Based on Nuclear Weak Field and Neutrino Orbitals**
Itzhak Orion, Ben Gurion University, Israel

Refreshments Break 16:15-16:30 @ Foyer

- 16:30-16:50 **Title: Wigner Distribution and Boltzmann-Shanon Entropy for a Diatomic Molecule Under Polarized Electric Field Interaction**
Gustavo Lopez Velazquez, Guadalajara University Mexico, Mexico

16:50-17:10 **Title: Hydrogen Atom and Elliptic Curve**
George Yury Matveev, IT Consultant, Sweden

17:10-17:30 **Title: Extended Field Theory New Axioms, Laws and Consequences**
Valentina Markova, Bulgarian Academy of Sciences, Bulgaria

Closing the Conference for the Day 1

Day 2 September 24, 2019

Main Hall

Plenary Forum

09:00-09:40 **Title: Subversive Progress in Physics Today: Universal Great Unification Theory**
Zhen-hua Mei, Qingdao University of Science and Technology, China

09:40-10:20 **Title: Contributions to the Progress of Quantum Mechanics**
Do Tan Si, HoChiMinh-city Physical Association, Vietnam

10:20-11:00 **Title: No-Go Experiment Proves: Free will is Not Free**
Manuel S Morales, Independent researcher, United States

Refreshments Break 11:00-11:15 @ Foyer

11:15-11:55 **Title: Science in Fiction**
Tina Matzat, Qbit Films, Berlin

11:55-12:35 **Title: Understanding God and his Purpose Through Physics**
Manish Kumar, Indian Institute of Technology, India

12:35-13:15 **Title: Perception of Texture Classification Based on Multifractal Descriptor, Hybrid Time-Frequency and Detection of Abrupt Changes**
Smain Femmam, University of Haute-Alsace, France

Lunch Break 13:15-14:00 @ Restaurant

Keynote Forum

14:00-14:30 **Title: Tertiary Quantization and Bound States of Photon Pairs**
Boris A Veklenko, Joint Institute for High Temperatures, Russia Federation

14:30-15:00 **Title: Periodic System of Atoms as Simple Gamma in Biquaternionic Representation**
Alexeyeva L.A., Institute of Mathematics and Mathematical Modeling, Kazakhstan

Oral Talks

Sessions **Geophysics | Gravitational Physics | Quantum Technology | Nuclear technology in Industry and Research | Quantum Science**

15:00-15:20 **Title: Duality between DGLAP and BFKL Equations with Running Coupling**
Igor Kondrashuk, University of Bio-Bio, Chile

15:20-15:40 **Title: Is it Physically Possible for Objects to Move Faster than Light?**
Gh. Saleh, Saleh Research Centre, Iran

Refreshments Break 15:40-15:55 @ Foyer

15:55-16:15 **Title: From Quantum Field Theory to the Contemporary Quantum Mechanics**
Aleksandr Shebeko, Institute for Theoretical Physics, NAS of Ukraine, Ukraine

16:15-16:35 **Title: Theoretical Approach to Study the Solid State and Optical Characteristics of Calcium Sulfide[CaS] Thin Film**
Emmanuel Ifeanyi Ugwu, Ebonyi State University, Nigeria

End of the Conference

Bookmark Your Dates

3rd World Congress on

Quantum Mechanics and Nuclear Physics

September 24-25, 2020 | Prague, Czech Republic

