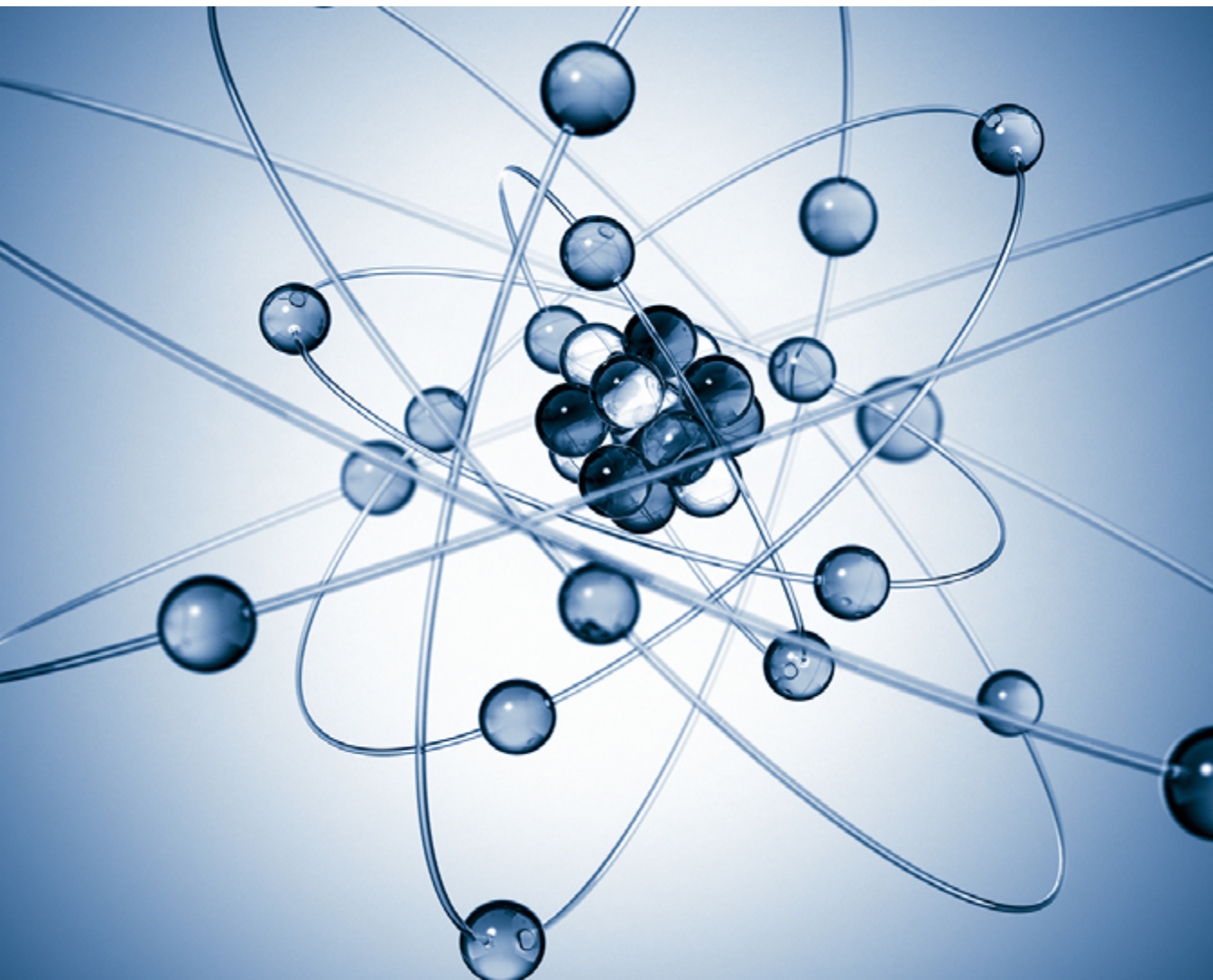


SCIENTIFIC PROGRAM



Theme: A Time for Research Innovations in Contemporary Physics

2nd International Conference on

ADVANCED PHYSICS AND QUANTUM PHYSICS

October 03, 2023 | Webinar

<https://physics.pulsusconference.com/>

AGENDA

October 03, 2023 | Tuesday

Opening Ceremony | 09:00-09:15

KEYNOTE FORUM

09:15-10:00 **Title: Physical and Crystallographic Aspects of Shape Reversibility in Shape Memory Alloys**

Osman Adiguzel | Firat University | Turkey

Sessions on: Spectroscopy | Particle Physics | Materials Science and Engineering

10:00-10:25 **Title: The Evolution of Confined Precursor Molecules inside Carbon Nanotubes by Raman Spectroscopy**

Lei Shi | Sun Yat-sen University | China

10:25-10:50 **Title: Defect localized vibrations in lattices without an inversion center**

Anatoly F. Zatsepin | Ural Federal University | Russia

10:50-11:15 **Title: Analysis of cohesive index by rotating drum for powder for Selective Laser Sintering process (SLS)**

Daniele Sofia | University of Salerno | Italy

11:15-11:40 **Title: Production of low-density foams for drug delivery**

Paolo Trucillo | University of Naples Federico II | Italy

Networking & Refreshment Break 11:40-11:55

Sessions on: Education and Outreach in Physics | Quantum Mechanics | Engineering Physics

11:55-12:20 **Title: Demystifying Quantum Computing: Advancing Education with Innovative Approaches and Real-World Tools for Future-Ready Learners**

Malak Trabelsi Loeb | Vernewell Group | United Arab Emirates

12:20-12:45 **Title: Testing Between “Interpretations” of Quantum Mechanics**

Asghar Qadir | National University of Science & Technology | Pakistan

12:45 -13:10 **Title: Construction of Neon Lamp Cloud Blinking Circuit**

Nura Muhammad Ashura | Federal University | Nigeria

Lunch Break 13:10-14:10

Sessions on: Nanomaterials and Nanotechnology | Quantum Computing | Medical Physics

14:10-14:35 **Title: Room Temperature Ferromagnetism in Nano-Sized Semiconducting Oxide Thin Films: Intrinsic or Surface related?**

Nguyen Hoa Hong | Masaryk University | Czech Republic

14:35-15:00 **Title: Octonion Special Affine Fourier Transform: Pitt’s Inequality and the Uncertainty Principles**

M. Younus Bhat | Islamic University of Science and Technology | India

15:00-15:25	Title: Object Extraction Using Quantum Computation Pankaj Pal RCCIIT India
15:25-15:50	Title: Algorithms complexity on a quantum computer Jad Matta Solutions Architect Lebanon
15:50-16:15	Title: A Comparative Study of the Chemical Bonds of ZnO Rocksalt, Wurtzite, and Zinc blend types Under Extended Pressure and Temperature; a Molecular Dynamics prediction Yahia Chergui IGEE Institute Boumerdes Algeria
16:15-16:40	Title: Evaluating the radiobiological impacts of cisplatin in combination with Copper-Cysteamine nanoparticles in chemoradiation therapy Mahsa Ejtema Ahvaz Jundishapur university of medical sciences Iran

Networking & Refreshment Break 16:40-17:00

Sessions on: Quantum Physics

17:00-17:25	Title: How MEMS Technology is being used in Quantum Devices Douglas Sparks M2N technologies LLC USA
17:25-17:50	Title: New interpretation of M. Planck's energy law Valentyn Nastasenکو Kherson State Maritime Academy Ukraine

Thanks Giving & Closing Ceremony

****Note: The program schedule is subject to change****