**Pandit Deendayal Petroleum University**

**Department of Physics**

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3. **Objectives:**

* The research area of materials and devices has grown tremendously in recent times, thanks to the innovative synthesis & characterization methods and high-speed computational power that has opened up doors for many more areas of interdisciplinary fields. Physicists, chemists, and biologists are contributing tremendously in these areas through collaborative work. This conference aims to provide an opportunity to share academic and technological progress with all the stakeholders.
* This conference would provide faculties and research scholars of various national and international universities to interact and initiate collaborative research.
* The idea of the conference is obvious to provide a platform for young researchers to showcase their expertise and have an opportunity to share their interests to all the stakeholders in the field. The conference will have many brainstorming sessions to open the windows of new research directions followed by the discussions. Exhibitors will also be given space to display the equipment from various sectors of materials science and engineering communities.

1. **Topics**

Optical Physics, Quantum Electronics and Photonics

Optoelectronics, quantum electronics

Applied optics

Non-linear optics

Laser physics and applications

Ultrafast phenomena and applications

Plasma physics, high-energy physics and particle physics

Nuclear sciences and engineering

Quantum, Atomic and Nuclear Physics

Atomic, molecular and chemical physics

Radioactivity and radiochemistry, radiation protection and safety issues

Quantum entanglement, quantum information and quantum cryptography

Nanoscience and Nanotechnology

Low-dimensional systems

Multifunctional nanomaterials

Nanoelectronics and information technology

Nanobiotechnology

Layered and composite nanostructures

Materials Science & Engineering

Surfaces, interfaces and colloids

Polymers and amorphous materials

Soft and granular matter

Magnetic materials

Biomaterials science and biomedical engineering

Biophysics, Bio (electro) magnetism, Biophysical Chemistry

Environmental physics

Photovoltaics, LED, OLED, LASER, OLET

Memory, artificial synapses, transistors

Thermo-voltaic devices

Sensors, actuators

Others

Computational Physics

Computational nonlinear mechanics

Biological complexity and genetics

Chaotic systems

Nonlinear science and applications

Fractional dynamical systems

1. **Guidelines for Authors (coming soon)**

Please ensure your submission meets the conference's strict guidelines for accepting scholarly papers. Downloadable versions of the check list for Full-Text Papers and Abstract Papers.

Please refer to the Paper Submission Guideline, Abstract Submission Guideline and Author Information before submitting your paper.

1. **Conference Proceeding**

All submitted conference papers will be blind peer reviewed by competent reviewers. The peer-reviewed conference proceedings will indexed in the Open Science Index, Google Scholar, Semantic Scholar, and other index databases.

1. **Important Dates:**

Abstracts/Full-Text Paper Submission Deadline: 15th July, 2021

Notification of Acceptance/Rejection: 31st July, 2021

Final Paper Submission & Early Bird Registration Deadline: 17th August, 2021

Conference Dates: 9-11 September 2021

**Registration Details:**

**Registration Charges: Before due date After due date**

**International:**

Research Scholars 300 US$ 300 US$

Person from academics/industry 500US$ 500US$

**National:**

Research Students: Rs. 1500/- Rs. 2000/-

Faculties: Rs. 3000/- Rs. 3500/-

Industry Persons: Rs. 5000/- Rs. 7000/-

Proceedings publication charges extra.

1. **Format of the conference:**

* Keynote Lectures
* Plenary Lectures
* Invited Talks
* Contributed Papers
* Poster Presentations

**Organizing Committee:**

**Patron:** Prof. S. Manoharan (DG, PDPU)

**Chairman:** Prof. Sunil Khanna

**Convener:** Dr. Satyam Shinde

**Co-Convener:** Dr. Rohit Srivastava

**Organizing Secretary:** Dr. Brijesh Tripathi

**Treasurer:** Dr. Bharat Parekh

**Members with major responsibilities of the conference:** Dr. Manoj Kumar, Dr. Balamurali Mayya, Dr. Prahlad K. Baruah, Dr. Ankur Solanki, Dr. Sheetal Rawat, Dr. Anup Sanchela, Mr. Abhishek Gor, Mr. Dhaval Santola and Mr. Jayesh Patel