**INTERNATIONAL CONFERENCE ON**

**CURRENT TRENDS IN FUNCTIONAL MATERIALS AND APPLICATIONS ​(CTFMA-2024)**

**25-27 March 2024 | Akal University Talwandi Sabo | Bathinda | Punjab**

**About the Conference:**

The proposed international conference shall provide a platform for scientists, young researchers, academicians, and industrial R&D worldwide to share current scientific development ideas. We are expecting participation from the scientific community worldwide. The conference has been planned to discuss and resolve the real-time challenges in realizing the designing and application of functional materials both experimentally and theoretically for the betterment of our society. This international conference shall cover broadly experimental; as well as computational materials science with the following broad topics covered shall be (not limited to):

* Nanomaterials and applications,
* Functional glasses and ceramics,
* Surfaces, interfaces, and thin films
* Photovoltaics and energy storage materials
* Computational materials science
* Electronic and photonic materials
* Optical materials and devices
* Multiferroics
* Semiconductor Physics
* Superconductivity and spintronics
* Functional 2D materials and applications
* Sensing devices
* Materials Physics and Chemistry
* Polymers and composites
* Biomaterials and smart materials

The conference shall be organized during March 25-27, 2024 in hybrid mode at Akal University, Talwandi Sabo, Punjab, India. Akal University will be hosting this conference and shall be using online platforms (like Google meet and Zoom Meeting) for online participants.

**Conference highlights**

* Special Cash Awards for BEST Oral Presentation (Rs. 10000), Poster Presentation (Rs. 5000) and BEST Thesis award (Rs. 10000).
* All the accepted abstracts will be published in the conference proceeding with an ISBN number and extended manuscripts after double blind peer-review as per Journal/Book Publisher policies and will be published as a special issue of Scopus indexed Journal/Book series.
* The conference will bring together various eminent researchers from International/National Institutions
* Current and future research directions in Functional Materials and their applications.

**Chief Patron**: Hon’ble (Dr.) Davinder Singh Ji

Chancellor, Akal University, Talwandi Sabo, India

Chancellor, Eternal University, Baru Sahib, India

**Co-Patron**: Prof. (Dr.) Gurmail Singh

Hon’ble Vice-Chancellor, Akal University, Talwandi Sabo

**Conveners:**

Prof. Sukhjeet Singh Dhindsa, Department of Physics, Akal University, Talwandi Sabo, India

Dr. Rajan Saini, Department of Physics, Akal University, Talwandi Sabo, India

**Keynote Speaker:**

* Prof. Daniel Neuville (Senior Director Research) IPGP-CNRS, Paris **France**
* Prof. Delia BRAUER, Otto Schott Institute, **Germany**
* Prof. Ashutosh Goel, Professor, Department of Materials Science and Engineering

School of Engineering, Rutgers, The State University of New Jersey, **USA**

**Invited speakers**

* Prof. Mohamed NAJI, University Sidi Mohamed Ben Abdellah, **Morocco**
* Dr. Gurpreet Singh Selopal, Dalhousie University, **Canada**
* Dr. Nirav Joshi, Institute of Nanoscience and Nanotechnology, Barcelona, **Spain**
* Dr. Kulwinder Kaur, RSCI, **Ireland**
* Dr. Dinesh Pathak, University of West Indies, **West Indies**
* Prof. Tulika Maitra, Indian Institute of Technology Roorkee, India
* Dr. Pabitra Nayak, Tata Institute of Fundamental Research, Hyderabad, India
* Prof. S.K. Mahapatra, Central University of Punjab, India
* Dr. Vinod Ashokan, National Institute of Technology Jalandhar, India
* Prof. S.K. Tripathi, Panjab University, India
* Dr. Saurabh Kapoor, Sterlite Technologies, India

**Advisory Committee**

* Prof. Ranjan Kumar, King Abdullah University of Science and Technology, South Africa
* Prof. Tashi Nautiyal, IIT, Roorkee, India
* Prof. R.K. Modgiol, Kurukshetra University, Haryana, India
* Prof Devinder Kaur, IIT Roorkee, India
* Prof. Ramesh Chandra, IIT, Roorkee, India
* Dr. Shammi Verma, Semi-conductor Laboratory Mohali, Punjab, India
* Prof. Kedar Singh, School of Physical Science, JNU, India
* Prof. Kamlesh Yadav, Allahabad University, India
* Dr. Vinod Ashokan, NIT, Jalandhar, India
* Dr. Anurag Gaur, NIT, Kurukshetra, India
* Dr. Pooran Singh, VNIT, Nagpur, India
* Dr. Gurinder Singh, Punjab University, Regional Center, Hoshiarpur, India
* Dr. Prashant S, CPU, Bathinda, India
* Dr. Ashok Kumar, CPU, Bathinda, India
* Dr. Ache Lal Sharma, CPU, Bathinda, India
* Prof. K.L. Yadav, IIT Roorkee, India
* Dr. Ambuj Tripathi, Scientist H, Inter University Accelerator Center, New Delhi
* Dr. Saif A. Khan, Scientist F, Inter University Accelerator Center, New Delhi

**Organizing Committee**

* Dr. Ramandeep Kaur, Akal University, India
* Dr. Janpreet Singh, Akal University, India
* Dr. Sushil Kumar, Akal University, India
* Dr. Amandeep Sharma, Akal University, India
* Prof. S.K. Mahapatra, Central University of Punjab, India
* Prof. S.K. Tripathi, Panjab University, India
* Prof. Tulika Maitra, Indian Institute of Technology Roorkee, India
* Dr. Nirav Joshi, Institute of Nanoscience and Nanotechnology, Barcelona, Spain

**Important Dates:**

Releasing Date of conference brochure: 01, November, 2023

Opening of online submission of abstract: 15, November, 2023

Closing of online submission of abstract: 31 January, 2024

Notification of acceptance: 09, Feb, 2024

Registration by: 25 Feb, 2024

**Guidelines of Abstract Submission**

Contributions for oral presentations are invited in all relevant topics given in the scope of the conference. Abstracts should be a maximum of 500 words which including figures and references, and submitted online by 23:59 Sunday 31 January, 2024 in the prescribed template given on conference website.