

### Chief Patrons

**Prof. (Dr.) Muktikanta Mishra**, President, CUTM

**Prof. D. N. Rao**, Vice-President, CUTM

### Patron

Prof. (Dr.) Supriya Pattanayak, VC, CUTM, Odisha

### Convener

Dr. Susanta Kumar Biswal

### Co-conveners

Dr. Santosh Kumar Satpathy

Dr. Atia Arzoo

### Organizing Secretaries

Dr. Dojalisa Sahu

Prof. Chittaranjan Routray

Dr. Saubhgyalaxmi Behera

### Joint Secretaries

Dr. Asish Kumar Sahoo

Dr. Srikanta Maharana

Dr. Satya Narayan Dhal

### International Advisory Committee

Dr I-Ming Hung, Yuanze University, Taiwan

Dr. Cicero Cena, Insituteo de Fisica, Campo Grande-MS, Brasil

Dr. Ashok Mishra, IIT Madras, India

Dr. K K Nanda, IOP, Bhubaneswar, India

Prof. Gilberto Medeiros Ribeiro UFMG, Brazil

Dr. Venkata S. Puli, Air Force Research Laboratory, Wright Patterson Air Force Base, USA

Dr. Sanjay Kumar Sharma, JECRC University Jaipur, India

Dr. KC Gupta, IIT Roorkee, India

Dr. Sihartha Panda, IIT Kanpur, India

Dr. Shalini Kumari, The Pennsylvania State University, University Park, Pennsylvania 16802, USA

Dr. Nagendra Parasad Yadav, Hubei Polytechnic University Huangshi, China

Dr. Ram Gupta, Pittsburg State University, USA

Dr. Yassine Slimani, Imam Abdulrahman Bin Faisal University, Saudi Arabia

Dr. Dhiren Kumar Pradhan, Tennessee University, USA

Dr. Antaryami Mohanta, SFLMST, Switzerland

Dr. Ananda Murthy, Adama Science and Technology University, Adama, Ethiopia

Dr. Alexander Burkov, Russia Russian Academy of Sciences, Ioffe Institute

### National Advisory Committee

Dr Prafulla Kumar Sahoo, Utkal University, India

Dr Piyush Ranjan Dash, VSSUT, Burla, India

Dr Kavita Tapadia, NIT, Raipur, India

Dr Ajaya Kumar Behera, Sambalpur University

Dr Rajkishore Patel, NIT, Rourkela, India

Dr Pratap Sahoo, NISER Bhubaneswar, India

Dr Bibhuti Bhusan Nayak, NIT Rourkela, India

Dr Rati Ranjan Nayak, IICT, Hyderabad India

Dr Bichitrananda Parida, CIT, Assam India

Dr Banarjee Behera, Sambalpur University India

Dr Naviraj P Yalagoud, VECC, Calcutta India

### Local Advisory Committee

Dr. Ardhendumauli Mohanty

Dr. Amarendra Narayan Mishra

Dr. Anita Patra

Prof. Jagannath Padhi

Dr. Prasanta Kumar Mohanty

Dr. Subasini Lenka

Dr. Smita Mishra Panda

Mr. Rabinarayan Routray

Dr. Subrata Sarangi

Dr. Dipankar Bhattacharyay

Dr. P.S.Rao

Dr. Prafulla Kumar Sahoo

Dr. Smrutiprava Das

Dr. Sasadhar Samal

Dr. Kunja Bihari Satapathy

Dr. Priyaranjan Mohapatra

Dr. Sarat Kumar Swain

Dr. Asit Parija

Dr. Ashok Misra

### Local Organizing Committee

Dr. Yashaswi Nayak

Dr. Satya Prakash Nanda

Dr. Chhayabrita Maji

Dr. M.Siddique

Dr. Padmaja Patnaik

Dr. Tumbanath Samantara

Dr. Goutam Kumar Mahato

Dr. Narayan Gouda

Dr. Srikant Sahu

Dr. Pratap Chhotaray

Dr. Arun Kumar Pradhan

Dr. Shraban Kumar Sahoo

Ms. Suchismita Acharya

Dr. Debasish Mohanty

Dr. Subhrraj Panda

Dr. Nibedita Nayak

Dr. Prasanta Kumar Rath

Dr. Satyanarayan Dhal

Dr. Rosy Mallik

Dr. Nilaya Kumar Mohanty

Dr. Asish Kumar Sarangi

Dr. Subhasmita Mishra

Dr. Rabindra Kumar Pradhan

Mr. Chittaranjan Pattnayak

Mr. Nabin Dash

Mr. Subashis Routray

Mr. Nrusinha Das

Mr. Jogesh Chandra Mishra



## INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN MATERIALS ICRAM - 2022 (Hybrid Mode)

21<sup>st</sup> - 23<sup>rd</sup> March 2022



**Centurion  
UNIVERSITY**

Shaping Lives...  
Empowering Communities!



### Convener

**Dr. Susanta Kumar Biswal**

### Organized by

**Department of Chemistry and Physics  
School of Applied Sciences  
Centurion University of Technology and Management**

Accredited with NAAC Grade 'A'

Website : [www.cutm.ac.in](http://www.cutm.ac.in)

### Contact Us

**Dr. Susanta Kumar Biswal**

Email : [icram2022@cutm.ac.in](mailto:icram2022@cutm.ac.in)

Mob. : +91 9438607080 / +91 9438807060

## About the University

The journey of Centurion University of Technology and Management (CUTM) began in the year 2005 by a group of ambitious academicians with an aspiration to provide high quality education both nationally and internationally. The first step in this direction was to take over an ailing engineering institute, Jagannath Institute for Technology and Management (JITM) in one of the most challenging tribal districts of Odisha and one which was transformed into Centurion University of Technology and Management in August 2010, through an act of Odisha legislative assembly. It became the multi-sector state private university in Odisha. It is the only university in the state which is declared as Skill University by government of Odisha.

### Centurion Approach to Education and Training

From the inception, Centurion University's DNA has been "Shaping lives and empowering communities". The University has focused on 'hands on', 'experience based', 'practice oriented' learning that makes a difference through appropriate and relevant innovation and action research. While promoting Nano, Mini and Micro enterprises, the University works towards learning experiences that are 'quantifiable', 'sustainable', 'scalable' and 'replicable'.

### Redefining the Learning Platform at Centurion University

- Skill integrated, domain linked, teaching and learning
- Industry and community partnership
- Creating and co-creating enterprises
- An eco-system approach which includes community, enterprise, industry and educational institution.

The University has six campuses and a number of social entrepreneurial outreach wings that, along with collaborating institutes and networks, form its ecosystem. The six campuses house a number of Schools such as M.S. Swami Nathan School of Agriculture, School of Allied Health Sciences, School of Engineering and Technology, School of Management, School of Media and Communication, School of Pharmacy and Life Sciences and School of Vocational Education and Training, School of Maritime Studies and School of Fisheries, etc.

School of Applied Sciences offers Bachelor, Master and Doctoral Programs in Physics, Chemistry, Information Technology, Mathematics, Zoology, Environmental Science, Botany, Optometry and Allied Health Sciences, etc.

## About the Conference

Recent researches on materials provide a premier interdisciplinary platform for researchers and educators, to present and discuss most recent innovations, trends and concerns. It also investigates upon the practical challenges encountered and solutions adopted in the field of electronic, magnetic, optical, dielectric etc. In order to meet the needs of future, scientists/researchers are actively involved to optimize wide varieties of materials. Objective of the present conference is to bring together leading academicians, scientists, researchers and industry persons to exchange and share their scientific knowledge.

## Theme of the Conference

- Materials With Multifunctional Properties
- Sensor, Transducer, Flexible Electronics
- Fuel cell, Solar cell and energy storage devices
- Application of carbon nanomaterials
- Materials for biomedical applications
- Magnetic Materials
- Bulk, Polymer and Composite materials
- High energy and particle physics
- Materials for Environmental Sustainability
- Advanced Spectroscopic techniques
- Theoretical method for nanomaterials
- Photonics and Lasers



## Important dates

**Submission of abstracts : 12th March, 2022**  
**Submission of full paper : 18th March, 2022**  
**Notification of acceptance : 15th March, 2022**  
**Last date for registration : 15th March, 2022**

## Call for Papers

Original research papers are invited for both oral and poster presentation. One page abstract for contributed papers shall be submitted to [icram2022@cutm.ac.in](mailto:icram2022@cutm.ac.in)  
Preparation of abstracts and other details.

- Abstract should be limited to one page only.
- Abstract should be written in times new roman font with font size of 12.
- Full paper needs to be submitted on or before 18th March 2022 by 11.59 pm. The selected papers will be published as conference proceedings with ISSN/ ISBN.

## Registration

Participants may register online at

<https://forms.gle/q3dbcmByqjrTqZBPA>

Registered delegates will get confirmation through e-mail.

## Registration Fee

Industry Person : ₹ 1000 (Including GST)

Academician : ₹ 700 (Including GST)

Student / Research Scholar : ₹ 500 (Including GST)

## Mode of Payment

RTGS/ NEFT / UPI

(Please send the Transaction ID/ Reference ID to [icram2022@cutm.ac.in](mailto:icram2022@cutm.ac.in))

## Bank Details for Payment

Account No. : 36700033488

Account Name : CENTURION UNIVERSITY

IFSC Code : SBIN0002071

Name of the Bank :

STATE BANK OF INDIA, JATNI, ODISHA