

Department of Mechanical Engineering Institute of Technical Education and Research Siksha 'O' Anusandhan

(Deemed to be University) **Bhubaneswar, Odisha, India**

OUR KEYNOTE SPEAKER



Norwegian University of Science & Technology, Norway



Professor Jim Browne President at Irish **Academy of Engineering** Chairman at Children's Health Ireland (CHI)





Prof. David Scott Sink, Western Michigan University, USA **Topic: Large Scale Enterprise Transformation**



Prof. Bopaya Bidanda, University of Pittsburgh, USA Topic: **Sustainable Innovation**



Prof. Pinakeswar Mahanta **Professor and Director Department of Mechanical Engineering NIT Arunachal Pradesh** (on deputation from IIT Guwahati) **Topic: Recent Development in CO- Gasification of Biomass with Coal**

OUR INVITED SPEAKERS



Professor Suman Chakraborty Depart. Mechanical Engineering, IIT, Kharagpur



Prof. (Dr.) Upendra Kumar Mohanty Professor (Retd.) NIT, Rourkella Professor, Dept. of Mechanical Engineering RCMA (KPT), CEMILAC, DRDO SOA (Deemed to be University)



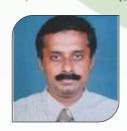
Dr. Benudhar Sahoo Regional Director Sunabeda-2



Mr. Jagadish Patra, AVP, Aditya Aluminium



Mr. Sushanta Kumar Das AVP (Maint.) TRL Krosaki Refractories Limited



Dr. DebanikRoy, Scientist, Division of R H & AMP: Robotics & amp Professor, Homi Bhabh National Institute (HBNI), Bhabha Atomic Research Centre. DAE, Govt. of India



Dr. Pradeep K. Sahoo, Principal Scientist, **CSIR National** Aerospace Laboratories, Bangalore, India.



Mr. Sridhar Panigrahi, Division Head, SR-SS & CSDLPSC/ISRO, Valiamala

ABOUT SIKSHA 'O' ANUSANDHAN

Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar declared u/s 3 of UGC Act, 1956 is a leading University in India offering professional programmes in the disciplines of Engineering, Medicine, Dental Science, Nursing, Pharmaceutical Science, Biotechnology, Management, Law, Hotel Management and Agricultural Sciences. Based on its all-round performance, this University has been awarded ranks among top 20 in the country in University category by National Institutional Ranking Framework (NIRF) of Ministry of Human Resources & development (MHRD), Govt of INDIA consistently for last three years, surpassing many State & Central University/IIT's/Institute of high learning. It has also been ranked as the 33rd best National Institution, the 20th Best National University and the best Institution in Odisha by the MHRD throughits NIRF Rankings in 2017. 19th Best Medical College in the country. Approved by UGC & AICTE, it has been re-accredited by the NAAC with A-Grade and has obtained the International Accreditation by ABET, USA and certification by IAO, URS, UK.



INSTITUTE OF TECHNICALEDUCATION AND RESEARCH (ITER)

ITER is the Faculty of Engineering and Technology of Siksha 'O' Anusandhan is the oldest constituent institute commenced from 1997. It has fourteen departments with more than four hundred faculty members. The department of Mechanical Engineering is continually working to provide quality research outputs in the areas of thermal engineering, renewable energy, design and manufacturing etc.



ABOUT THE CONFERENCE

The 2nd International Conference on Recent Advances in Mechanical **Engineering Research** and **Development (ICRAMERD-21)** is being organized by "The Department of Mechanical Engineering", Institute of Technical Education and Research ITER), Siksha 'O' Anusandhan (Deemed to be University). The mission is to create a platform for exchange and dissemination of knowledge in the emerging field, different emerging research aspects in Mechanical Engineering from practicing professionals and academic researchers both at national and international

levels. Large numbers of high caliber researchers across the world have consented to deliver key note addresses. Speakers from industry are invited to enlighten about the new technologies being used in different industry sectors. Top management professionals and eminent academicians have also consented to participate in panel discussions.

CONFERENCE DELIBERATIONS

The International Conference deliberations are being structured to cover the following themes (but not limited to)

1. MATERIALS ENGINEERING

Nanomaterials and Nanocomposites, Ceramics and Glasses, Polymers, Electrical and Magnetic materials, Composite, Fibers, Bio-Materials, Nanostructure, Flexible and Hybrid Materials, Smart Materials.

2.INDUSTRIAL AND SYSTEMS ENGINEERING

Operation as a service, Production Planning & Control, Total
Quality Management, Supply Chain & Logistics Management,
Product Design & Development, Machine Learning, Artificial
Intelligence in Industry 4.0 Applications, Robotics & Automation, Business

Process Re-engineering, Operation Research, Industrial Automation, Control System.

3. MANUFACTURING SYSTEMS ENGINEERING

Advanced Manufacturing Processes, Computer Simulation, Manufacturing Facilities,
Planning and Optimisation, Lean Manufacturing systems, Automation in Control System
Design and Simulation, Application of optimization methods in

Engineering Design, Green Manufacturing Processes, Rapid
Prototyping, Additive Manufacturing, Casting,
Metal Forming, Welding, Powder
Metallurgy.

4.AUTOMOTIVE ENGINEERING

Design and simulation of smart Vehicles, Electric and Hybrid Vehicles, Artificial Intelligence in Automotive Engineering, Automated Guided Vehicle.

5.THERMAL SYSTEMS ENGINEERING

Fluid Flow, Heat Transfer, Application Thermodynamics in thermal system Design, Modelling and Simulation, Computational theory in Engineering, Combustion, Power Plant Engineering, Gas Dynamics and Jet Propulsion, Refrigeration, Heating Ventilation and Air conditioning (HVAC).

6. DESIGNENGINEERING

Biomechanics, Automation, Control system design and simulation, Application of optimisation methods in Engineering Design Composite Materials, Functionally Graded Materials, Structural Analysis, Vibration, Finite Element Methods, Tribology.

7. ASSURANCE ENGINEERING

Safety System Design, Reliability Engineering & Optimization, Design for Maintainability.

8. ENERGY

Renewable Energy and Technology, Solar, Wind, Biomass, Geothermal, Hydropower energy Engineering etc., Fuel Cell, Alternative Fuel, Sustainable Energy System, Energy Saving Devices- Super Capacitors.

Publication Details: All the selected papers will be published in Lecture Notes in Mechanical Engineering (Springers) Scopus Indexed Conference Proceeding.



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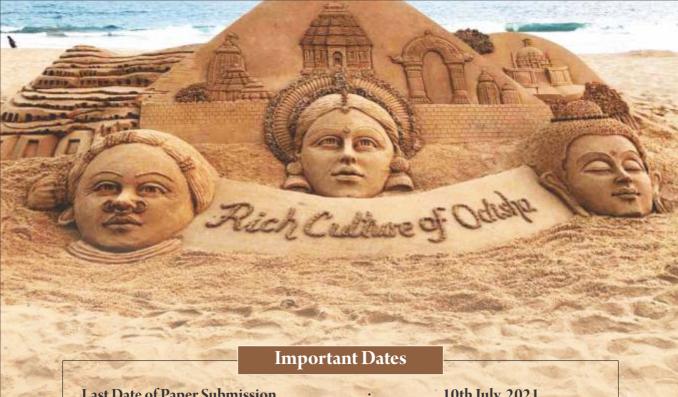
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Last Date of Registration 10thAug, 2021

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Dr. Premananda Pradhan

Convenor Email: premanandapradhan@soa.ac.in Mobile: 7008726144

Dr. Shakti Prakash Jena

Co. Convenor Email: shaktijena@soa.ac.in Mobile:8249476361

Dr. Binayak Pattanayak

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