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Important Dates

Last date for abstract submission

15, November 2020

Last date for paper submission

20, November 2020

Last date for acceptance

23, November 2020

Registration commencing

24, November 2020

Registration deadline

30, November 2020

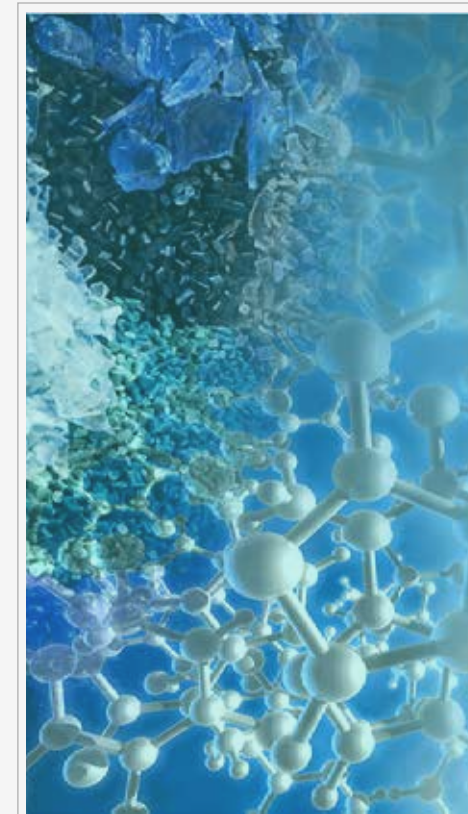
Camera ready paper submission

30, November 2020



Department of
Physics

DST-FIST Sponsored Department



**INTERNATIONAL VIRTUAL CONFERENCE ON
SMART ADVANCED MATERIAL SCIENCE &
ENGINEERING APPLICATIONS - 2020
(IVCSAMSEA-2020)
03 - 05, December 2020**

Website link

<https://www.kluniversity.in/physics/IVCSAMSEA-2020/>

About K. L. Deemed to be University

The Koneru Lakshmaiah Charities was established as a trust in the year 1980 with its official address at Museum road, Governorpet, Vijayawada, Andhra Pradesh - 520 002 and started K. L. College of Engineering in the Academic year 1980-81. The trust was converted into a society by the name Koneru Lakshmaiah Education Foundation in the year 1996. The K. L. College of Engineering has attained autonomous status in the year 2006 and in February 2009, the Koneru Lakshmaiah Education Foundation Society was recognized as Deemed to be University. In short Koneru Lakshmaiah Education Foundation is named as K. L. Deemed to be University. All thanks to the dynamic leadership of our founder whose vision helped in creating this abode of engineering education, which has emerged as one of the elite institutes of the nation.

About the Physics Department

Physics is a branch of applied science that emphasizes both engineering and physics. It is a challenging general alternative to the traditionally more specialized undergraduate engineering curricula, offering flexible options for professional growth. The physics curriculum with branch specific course is designed to provide a firm foundation of basic scientific principles, as well as the theoretical knowledge and skills required for specific engineering applications. The curriculum is equally suitable for students intending to pursue careers in industrial research and development, and for those preparing for graduate studies in a variety of scientific and technical areas.

About the Conference

Smart Advanced on Material Science is an interdisciplinary field of research that involves the Physics and Chemistry of solid materials including theoretical and computational study. Chemist and Physicist play an important role in discovering new materials based on simple intuition arising from the knowledge of the structure and bonding, by adopting ingenious systematic strategies. Measurement of various physical and chemical properties and their understanding will lead to exciting development in the field of nanomaterials, magnetic materials, piezoelectric materials, ceramics, glasses, polymers, thin films, biomaterials, Energy Storage, Solar absorption and semiconductor materials using an Engineering application. Recently the availability of excellent structural characterization facilities has advanced our understanding of structure-property relationship and thus enabled us to design the materials of interest. We assure that, this conference will provide a platform to academicians, teachers and young researchers to interact with distinguished scientists in the field and to know the latest advancements in the field of Smart Advanced Materials Science through online platform. It also aims at kindling interest in the minds of young students to pursue research as higher career. It is anticipated to widen the scope of interdisciplinary research among teachers and research scholars.

Call for Papers

IVCSAMSEA-2020 invites full-length original research articles from research scholars, faculty, scientists and industry professionals from India and across the world. Research articles and review papers not exceeding twelve pages in a single column format shall be submitted. The manuscripts should not have been published or under review in any of the journals or conference proceedings. Further, the manuscript should contain the name, e-mail id of the corresponding author and affiliation of co-authors.

Research manuscripts and proposals are invited in the following topics (but not limited to)

- ✓ Advanced Materials
- ✓ Ceramics, Shape Memory Alloys and Nanomaterials
- ✓ Materials for Aerospace Applications
- ✓ Polymers and Polymer Composites
- ✓ Glasses/Crystal Growth/Amorphous Systems
- ✓ MEMS/NEMS
- ✓ Bio Materials/Atmosphere
- ✓ Building/Chemical Materials
- ✓ Optical/Electronic/Magnetic Materials
- ✓ 3D,4D/Cryogenic materials
- ✓ Micro/Nano Machining/Metal Forming
- ✓ Non-Conventional Machining Processes
- ✓ Sustainable Manufacturing Technologies/Renewable Energy/Solar Energy
- ✓ Sensors for automation
- ✓ Casting technology/Welding technology and equipment
- ✓ Plastic processing technology
- ✓ Cellular/Advanced manufacturing processes
- ✓ Applied Mathematics, Graph Theory/Fuzzy classifier
- ✓ Machine learning & Image Processing

Publication

The accepted papers will be published in conference proceedings with International Standard Book Number (ISBN) and selected papers will be published in Springer and Elsevier (SCOPUS and SCI-indexed) journals.

Abstract Submission

Perspective authors are encouraged to present their original, unpublished research work, and the selected abstracts will be called for Oral presentations. Abstract up to 300 words in Times New Roman with font size 12pts, 1.5 line spacing may be submitted in .doc/.docx file with the author's name (presenting author name to be underlined), affiliation and corresponding author **email ID, by 15th November 2020**. Full Paper must be submitted in IEEE format with minimum of 3 pages.

Submit your abstract to : <https://easychair.org/conferences/?conf=ivcsamsea2020> (or) ivcsamsea2020@kluniversity.in

Free Registration

Submit your full length paper to above mail id or easychair. on or before **20th November 2020**.

Fill the Google Forms after submission.

It is mandatory to fill the Google form after submission of the article through mail. (<https://forms.gle/waHrkFH3JNF3Dd6S7>)

Venue and schedule conference website

International Speakers

Dr. Kishor Kumar Sadasivuni,

Center for Advanced Materials, Smart Nano Solutions
Qatar University, Qatar.
Managing Editor, Emergent Materials, Springer.

Dr. Abd Elnaby Kabeel,

Vice Dean Faculty of engineering,
Professor, Department of Mechanical Power Engineering,
Tanta University, Egypt.

Dr. Catalin Pruncu,

Research Fellow, Faculty of Engineering,
Department of Mechanical Engineering,
Imperial College London.

Dr. F. A. Essa,

Assistant professor of mechanical engineering,
Faculty of engineering,
Kafrelsheikh university, Egypt.

Dr. Shiva Gorjian,

Assistant Professor, Faculty of Agriculture,
Department of Mechanical and Biosystems Engineering,
Tarbiat Modares University, Tehran, Iran.

Dr. Chinaza Godswill Awuchi,

Lecturer and Researcher, School of Engineering and
Applied Sciences,
Kampala International University, Ggaba Road, Kampala,
Uganda.

National Speakers

Dr. Mani Karthik

Senior Scientist (STRC), Centre for Nanomaterials,
International Advanced Research Centre for Powder
Metallurgy and New Materials (ARCI),
An Autonomous Research and Development Centre of
DST, GOI
Balapur, Hyderabad-500005, India.

Dr. B. Janarthanan

Associate Professor, Department of Physics,
Karpagam Academy of Higher Education,
Eachanari, Coimbatore, Tamilnadu, 641021, India.

Dr. S. Ravichandran,

Associate Professor in Chemistry,
Lovely Professional University,
Jalandhar, Phagwara-144411, Punjab, India.



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