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Report of International Conference (ICMSME 2023)

The Department of Mechanical Engineering of Regent Education and Research Foundation, India organized a two day “*International Conference on Materials Science and Mechanical Engineering*” (Virtual Mode) on 19th-20th January, 2023. This conference provided opportunities for academia representatives, researchers, students, industrialists, engineers, scientists to present their cutting-edge work on various aspects of materials science and mechanical engineering. The conference provided platform for traditional research paper presentations, poster presentations and keynote lectures by prominent speakers on the state-of-the-art technologies related to the area of the conference. All the details of this webinar are given below:

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Budget: INR 25000 (Publication in Process. Detailed analysis will be provided after publication fees are paid)

Flyer:

**19th – 20th
January,
2023**

**ICMSME
2023**

**International Conference on
Materials Science &
Mechanical Engineering**

Scope of the Conference

Areas of interest include, but are not limited to:


- Aerodynamics
- Applied Mechanics and Design
- Automation and Robotics
- Biomaterials
- CAD/CAM
- Ceramics, Polymers, Thin Films and Composite Materials
- Design and Manufacturing
- Emerging Smart Materials
- Finite Element Analysis
- Fluid Mechanics and Machineries
- Functional Materials
- Green Manufacturing
- Heat and Mass Transfer
- Internal Combustion Engines
- Machinery Dynamics
- Manufacturing Science and Technology
- Micro-Machining
- Modelling of Processes
- Nanotechnology and Nanomaterials
- Noise and Vibration Analysis
- Optimization of Systems
- Refrigeration and Air Conditioning
- Renewable and Non-Renewable Energies
- Reverse Engineering
- Solid Mechanics
- Surface Engineering
- Thermodynamics
- Tribology

Contact:
conferenceme@regent.ac.in
+91 94363 14240
+91 70857 60570

Organized by
Department of Mechanical Engineering
RERF GROUP OF INSTITUTIONS

Program schedule:

19/01/2023	11:00 AM-11:40 PM	Inauguration
	11:40 AM-01:10 PM	Keynote Lecture
	01:10 PM-02:20 PM	Technical Session I
	02:30 PM-04:00 PM	Keynote Lecture
20/01/2023	04:00 PM-05:30 PM	Technical Session II
	10:30 AM-12:00 PM	Keynote Lecture
	12:00 PM-2:00 PM	Technical Session I
	02:30 PM-4:30 PM	Keynote Lecture
	04:30 PM-5:10 PM	Technical Session I
	05:10 PM-5:30 PM	Vote of Thanks


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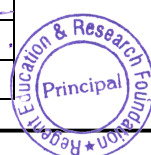
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Keynote Speakers

Name	Organization	Country
Barun Routh	Indian Railway	Indian
Dr. Suman Kalyan Das	Jadavpur University	India
Dr. Amarish Kumar Shukla	Indian Maritime University	India
Dr. Saikat Dutta	University of Leeds	UK
Pradyut Sengupta	CSIR-IMMT	India
Dr. Samiran Samanta	Durham University	UK
Udaya Kumar Subramani	Genius Star Mang. Conslt. Co. Ltd.	Taiwan
Dr. Bidyut Pal	IIST	India
Dr. Subrata Kumar Ghosh	NIT Agartala	India
Dr. Tuba Demirel	Erciyes University	Turkey
Dr. Kiran Kumar Billa	PITM, Guntur	India
Dr. John Deb Brma	NIT Agartala	India
Manoj Kumar	CSIR-IMMT	India

Participation list:

Name	Affiliation	Role (Author & Attendee)
Amarnath Ghosh	RERF	Attendee
Ankit kumar Gupta	RERF	Attendee
Arghya Roy	RERF	Attendee
Asis sarkar	RERF	Attendee
Avijit Roy	RERF	Attendee
Ayan Biswas	RERF	Attendee
Deepayan Dey	RERF	Attendee
Deepjyoti Saha	RERF	Attendee
Diganta Poddar	RERF	Attendee
Md. Shohrab Alam	RERF	Attendee
Pritam Das	RERF	Attendee
Rupankar Paul	RERF	Attendee
Sambodhi Ghosh	RERF	Attendee
Sayan Das	RERF	Attendee
Shovan Mondal	RERF	Attendee
Subhrajyoti Sardar	RERF	Attendee
Sukanta Paik	RERF	Attendee
Suwendu Das	RERF	Attendee
Tanmay Dutta	RERF	Attendee
Utpal Shee	RERF	Attendee
Aadrish Dey	RERF	Author
Abhishek Ash	RERF	Author
Abhishek Mallick	West Bengal State university	Author



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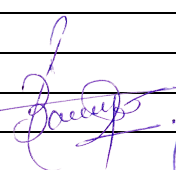
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Alice Atkins	Durham University UK	Author
Amitava Ghatak	Techno India University	Author
Aninda Das	RERF	Author
Ankit Kumar Das	RERF	Author
Anurag Chakraborti	Techno India University	Author
Arijit Roy	West Bengal State university	Author
Arpan Kr Mondal	NITTR Kolkata	Author
Ashok Kumar Mondal	RERF	Author
Asim Kumar Samanta	NIT Meghalaya	Author
Atul Jain	IIT Kharagpur	Author
Banarsi Pandey	RERF	Author
Binit Kumar Jha	NERIST	Author
Debtanu Patra	RERF	Author
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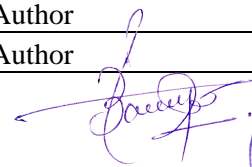
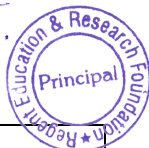


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Rahul Kanti Nath	RERF	Author
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Ramiz Taaseen	RERF	Author
Ranit karmakar	IIT Kharagpur	Author
Rashad Shikhalibayli	Azerbaijan State Oil and Industrial University	Author
Ripa Bakshi	RERF	Author
Rittwick Mondal	Jadavpur University	Author
Ruma Sen	Dr. Sudhir Chandra Sur ITSC	Author
Rupak Roy	SHRM BioTechnologies Pvt. Ltd.	Author
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Yadaiah Nirsanametla	NERIST	Author
Zaheer Ahmed Khan	Sindh Agriculture University, Pakistan	Author

Feedback:

Name	Name of your Institution/College	How satisfied were you with the webinar?	Overall feedback/ any suggestions
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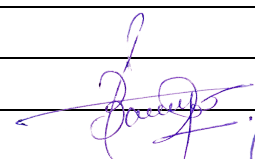
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		4	Good
Rupam Das	West Bengal State university	5	VERY INFORMATIVE SESSION
Sabyasachi Mukherjee	RERF	5	Awesome webinar, no suggestions
Sachindra Mahto	NERIST	5	good
Sambit Tarafdar	Amity IVI	3	good
Saptarshi Samanta	IEM Kolkata	4	Good
Shakeel Hussain Chattah	Sindh Agriculture University, Pakistan	5	Good
Shatarupa Biswas	NIT Silchar	5	Excellent
Sneha Paul	JIS College of Engineering	5	Very good
Sonjoy Mondal	Jadavpur University	4	Good
Soumyanker Sambhav	IEM Kolkata	5	Good
Soumyendu Bhattacharya	AIEM West Bengal	4	Good
Subhradeep Ghosh	RERF	4	It was a nice session
Sudipta Sarkar	RERF	4	Very good
Suhail Haider	IEM Kolkata	5	Very informative
Sukhen Das	Jdavpur University	5	good
Surajit Patra	Techno India University	5	GOOD VERY GOOD EXCELLENT
Swarup Garai	DIATM West Bengal	5	Good
Tara Sen	NIT Agartala	4	The Lecture was good
Trinath Barik	IEM Kolkata	4	Lot of things to be known
Uma Kumari	RGU Jharkhand	5	Excellent
Yadaiah Nirsanametla	NERIST	5	Nice
Zaheer Ahmed Khan	Sindh Agriculture University, Pakistan	5	Thank you
Rupankar Paul	RERF	4	Nice class for this topic.... But it's my concern need one or two more class on this..
Asis sarkar	RERF	5	Excellent
Avijit Roy	RERF	3	Good
Ayan Biswas	RERF	5	EXCELLENT


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Deepayan Dey	RERF	3	Good
Deepjyoti Saha	RERF	5	Beneficiary

Deepayan Dey
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THE REPUBLIC OF TURKEY
Cappadocia University, School of Applied Sciences, Aircraft Avionics, Nevsehir, Erzisp, Turkey
Erziyes University, Faculty of Science, Department of Mechanical Engineering, Kayseri, Turkey
The Oxidized-PAN Polymer Review Article, Comparison of an Thin Fiber Characterization (XRD) Technique of Stabilized Precursor PAN Fibers at the Stabilization Stage of Carbon Fibers Production
Prepared by



Day 2
2:36 PM | pnr-zzag-qsv

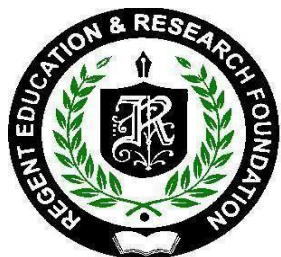
International Conference on Materials Science and Mechanical Engineering
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Article Number - ICMSME23-123
ICMSME 2023
Effect of Length of Cut-off wall on the Seepage characteristics of a Non-Homogeneous Earth Dam Using Finite Element based Software Geo-Slope
"Imran Arshad", "Atish Ghosh Bhaik", "Rupam Das", "Rupam Das", "Rupam Das", "Rupam Das"
Department of Irrigation and Drainage, West Bengal Agricultural University, West Bengal, India
Faculty of Agricultural Engineering, Youth Agriculture University, Tezgaon, West Bengal, India

Day 2
1:00 PM | pnr-zzag-qsv

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The Department of Basic Science and Humanities of Regent Education & Research Foundation Group of Institutions (RERF), in association with the IQAC, organized a one-day seminar on "Advanced Functional Materials: The Recent Research Trends" on 25th Feb, 2023. The seminar aimed to provide a platform for researchers, academicians, and students to discuss the latest developments in the field of advanced functional materials. The seminar witnessed a significant turnout with a diverse audience of students, faculty members, and industry experts.

The organizing committee was formed as follows:

ORGANISING COMMITTEE:

Name of the Member	Designation
Dr. Nibedita Mukherjea, HOD, BSH	Chairman
Dr. Chiranjib Chakrabarti, Associate Professor	Convener
Mr. Avik Ghosh Dastidar, Assistant Professor	Member
Dr. Anindita Das, Associate Professor	Member
Ms. Paramita Dutta, Assistant Professor	Member
Ms. Aparna Das, Assistant Professor	Member

PROGRAM SCHEDULE:

Sl. No.	Event	Time Schedule
1.	Inauguration	2:00 - 2:05 PM
2.	Welcome address by Dr. Rajorshi Bandyopadhyay, Principal, RERF	2:05 - 2:15 PM
3.	Topic 1: Thermoelectric Material and Its Application by Dr. Diptasikha Das	2:15 - 3:00 PM
4.	Short Break	3:00 PM to 3:15 PM
5.	Topic 2: Ultraviolet Leds: The Way They Grow and Glow by Dr. Chirantan Singha	3:15 PM to 4:00 PM
6.	Closing Session: Vote of Thanks by Dr. Nibedita Mukherjea	4:00 PM to 4:15 PM




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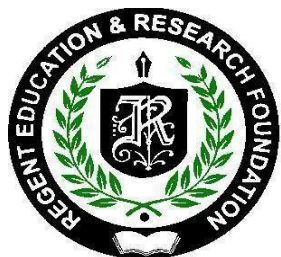
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Chirantan Singha is presently working as a National Postdoctoral Fellow (NPDF) at the Department of ETCE, Jadavpur University, Kolkata, on structural and morphological studies of III-Nitride nanostructures and the optoelectronics properties of the devices based on them. He obtained his Ph.D. degree from the University of Calcutta on July, 2022 in the field of group-III-Nitride materials especially studying different quantum structures based on these materials for optoelectronic application. He joined the University of Calcutta at the Centre for Research in Nanoscience and Nanotechnology (CRNN), Kolkata, as a DST INSPIRE Fellow on September, 2012. He has also worked as a Senior Project fellow at the Institute of Radio Physics and Electronics, University of Calcutta, till October, 2020. He was selected for the Newton-Bhabha Ph.D. Placement program, 2015 jointly organized by the Department of Science and Technology, Government of India and the British Council. Under this exchange program he went to the School of Physics and Astronomy, University of Nottingham, UK and worked on defect related studies of III-Nitride materials. He worked as an assistant professor at the department of physics in Swami Vivekananda University, Kolkata, from September, 2021 to February, 2022 and worked as a guest lecturer of physics from November, 2020 to August, 2021 at the same institute. He has also worked as an assistant professor for two years from August, 2010 in the department of physics of Regent Education and Research Foundation, affiliated to the West Bengal University of Technology (WBUT) currently known as the Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal. In this period of time both the theoretical and experimental courses on engineering physics for B. Tech. as well as Diploma curriculum as per the corresponding universities, were discussed with students from various engineering disciplines and different regions of India. He completed his M.Sc. in pure physics from the School of Basic and Applied Science, Sikkim Manipal Institute of Technology (SMIT), Sikkim in 2010 and obtained his B.Sc. degree with Honours in physics from the Scottish Church College, Under the University of Calcutta in 2008.



Dr. Diptasikha Das has graduated from Scottish Church College (University of Calcutta) in 2008, post-graduated from Presidency College (University of Calcutta) in 2010 and completed her Ph.D. from Rajabajar Science College (University of Calcutta). She joined Adamas University in 2017. Her research work deals with the synthesis and characterization of polycrystalline thermoelectric (TE) material and preparing TE device module. She is also involved in the Synthesis of **p** and **n** type TE material. Her work includes both conventional $[Bi_2Te_3]$, $[Bi_2Se_3]$ and $[(Bi_{1-x}Sb_x)_2Te_3]$ and

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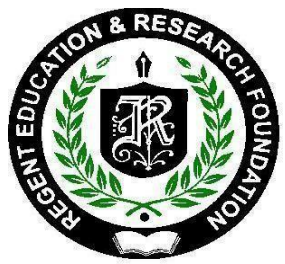
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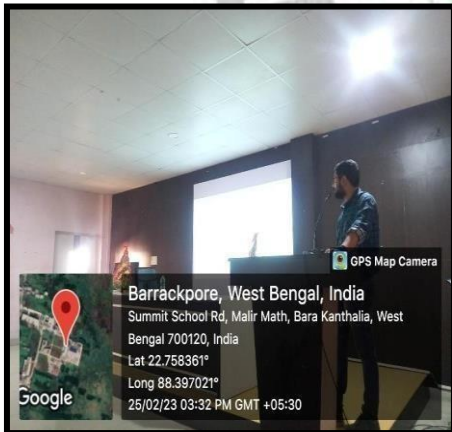
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nonconventional mid temperature TE material [viz., Half-Heusler Alloy, Sulfur based thermoelectric material viz., $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$, $\text{Cu}_{12-x}(\text{Zn,Fe})_x\text{Sb}_4\text{S}_{13}$ and Skutterudite]. She is also involved in building up laboratory with homemade instruments viz., resistivity, thermo power, specific heat, thermal conductivity etc. with automatic data acquisition.






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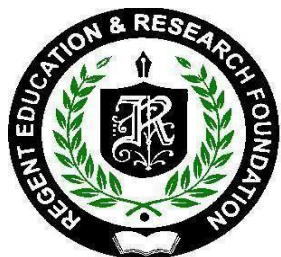
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One day Seminar on
**ADVANCED FUNCTIONAL MATERIALS:
THE RECENT RESEARCH TRENDS**

To Register  Scan or Click

SPEAKERS:

 **Dr. Dipankar Das**
Assistant Professor
Department of Physics
Adama University

 **Dr. Chiranjit Singh**
National Postdoctoral Fellow
FNSF
Jadavpur University

Organized by:
Department of Basic Science and Humanities
in association with IQAC, RERFGI






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