



Kerala

Organizer

Abstract

Registration

Sponsorship

International Conference
on
“Heavy Minerals & Lithium”
for
Energy Security
(REES Series – 2024)

29th - 30th August 2024
Kochi, Kerala

498168409

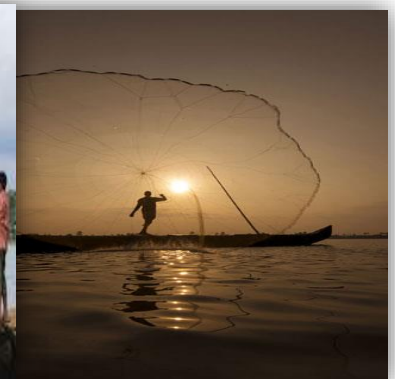


KERALA

Kerala is renowned for some of its unique cultural and geographical characteristics. The practices and traditions handed down from generation to generation, alongside some of the natural wonders that we have been blessed with have attracted people to this land for centuries. From the ancient healthcare system of Ayurveda to our picturesque hill stations and diverse wildlife, we provide you with links to access a wide range of our specialties.



These specialties of God's Own Country that are linked below shall be useful in narrowing the search and guiding you to your preferred destination along with providing the requisite information.





Culture and Art:

Kerala has birthed and nurtured a plethora of art forms over a thousand years. Our shores have watched them evolve and flourish in various shapes and forms. They can be divided into 4 main categories, viz. Performing arts, Ritual art forms, Martial art & Folk art.

Kochi:

Kochi represents different things to different people. From an emerging cosmopolitan city with bustling life in the streets, the cinema halls, the shopping malls, and the skyscrapers; the commercial capital of the state, with a style statement different from the rest of the State - whether in clothes or lifestyle. Kochi is a place with beautiful monuments and a variety of linguistic and ethnic communities including Jew, Konkani, Gujarati and so on.

How to Reach:



By Air:

There are a number of International and Domestic flights that operate from the Cochin / Kochi International Airport located at Nedumbassery. The facilities at the Cochin International Airport are so good that it is considered one of the best airports in India.

By Train:

Kochi/Ernakulam is well connected to all main destinations in India by a very good train network. There are two railway stations in Kochi- Ernakulam town and Ernakulam Junction. Both the stations are almost equidistant (less than 3km) from the Conference venue. Public transport / taxis are available near the stations to reach the venue.

Metro trains are available from railway stations to Jawaharlal Nehru stadium which is close to the conference venue..

Patrons

Dr A K Mohanty, Secretary, DAE & Chairman, AEC
Shri Dinesh Kumar Shukla, Chairman, AERB
Shri Vivek Bhasin, Director, BARC
Dr Samir Kamat, Chairman, DRDO
Dr. (Mrs.) N. Kalaiselvi, DG-CSIR
Dr D Singh, CMD, IREL
Dr S P Banarjee, Patron ISMAA, Kolkata Chapter
Dr. Komal Kapoor, CE, NFC
Dr Ramanuj Narayan, Director, IMMT, Bhubaneswar
Dr R Tewari, Associate Director, Materials Group, BARC
Shri Pramod Agrawal, CMD, COAL (India) Limited
Shri Sridhar Patra, CMD, NALCO
Shri Amitava Mukherjee, CMD, NMDC
Mr. T. V. Narendran, CEO & Managing Director, Tata Steel Limited
Mr. Thomas M Cherian, MD, Essel Mining & Industries Ltd.

Technical Committee

Dr V R Nair, Ex-IREL & Secretary General, REAI
Dr Ajoy Kumar Moitra, President ISMAA, Kolkata Chapter
Dr B R Mishra, IREL
Dr Deepak Sahoo, REDS, BARC
Dr Kartikey Kumar Yadav, REDS, BARC
Dr Malay Kumar Ghosh, IMMT
Dr (Mrs) Sarangi Kadambini, IMMT
Dr Manivel Raja, DMRL
Prof K G Suresh, IIT, Mumbai

Organizing Committee

Mr. Bart Malan, IBDM, Multotech, SA
Mr. Gugu Charlie, SAIMM
Shri S B Mohanty, Director (Fin), IREL
Shri R A Khale, Director (Mktg), IREL
Shri A Mishra, Director (Tech), IREL
R. Vishwanathan, GM & Head RED
N Selvarajan, IREL, Head MK
CVR Murty, GM & Head OSCOM
NS Ajith, GM & Head, Chavara
Dr B.R Mishra, Head, REEP
Shri K V Ramakrishna, GM-CP
Shri R P Jha, DGM-HRD
Shri Ajit Chaudhary, MD, Elitech
Shri Rohan Dalvi, DM-T
S Arunkumar, IREL & PRO, REAI - Co-Convener

Address for Correspondence

Organizing Committee, REES 2024

Mr R P Jha

DGM-HRD, IREL -Convener

Mr S Arunkumar

Co-Convener

IREL (India) Limited, Mumbai

Address: Plot. No. 1207, ECIL Bldg, Veer Savarkar Marg,
Prabhadevi Mumbai- 400 028

Ph: +91 22 2431 1850 / 8104997181 / 9821173411

Email: _contactus@irel.co.in

About Organizers:

Rare Earth Association of India (REAI)

Rare Earth Association of India (REAI) is a premier association of Scientists, Technologists and Academicians formed with the objectives of:- a) promoting research, development and application of Science and Technology of rare earths and related materials by exchanging , promoting, communicating and disseminating information in this field. (www.reaindia.in)

Southern African Institute of Mining and Metallurgy (SAIMM)

The Southern African Institute of Mining and Metallurgy (SAIMM) started as a learned society in 1894 after the invention of the cyanide process that saved the South African gold mining industry of the day. It has both local and international links aimed at disseminating knowledge and assisting our members source information regarding technological developments in the mining, metallurgical and related sectors. It also actively participates in promoting and meeting industry-related obligations to various communities and the environment. (<https://www.saimm.co.za>)

ISMAA Kolkata Chapter

Indian School of Mines Alumni Association (ISMAA) Kolkata Chapter is an association of ex-students and ex-faculty members of now renamed IIT (ISM), Dhanbad staying in and around Kolkata, West Bengal. Established in 2004 by a handful of Alumni's have now grown into a strong and vibrant Organization with about 400 members in its roll. (<https://ismaakolkata.com>)

Scope of the conference:

Heavy Minerals & Lithium both play important roles in enhancing energy security, albeit in different ways. They are characterized by their significant economic importance, high supply risk, and critical role in supporting key industries.

They are crucial components in various renewable technologies and energy-efficient applications and are the backbone of emerging green technologies and will be indispensable in the days to come in the background of COP 27. Besides, they find application in various sectors such as defence, aerospace, atomic energy, medical

Being an aspiring trillion-dollar economy and considering the development prospects in changing geo-political situation, the country is poised to leverage its resource for unleashing the niche values, for achieving self reliance in energy security of the country. Besides, there is a need to develop self reliance in these emerging technologies to achieve 'Aatmanirbhar Bharat' and 'Make in India' mission.

REES 2024 is being organized jointly by **REAI, SAIMM and ISMAA Kolkata Chapter** with the objective to serve as an apt platform for exchanging ideas, networking and furthering academic and applied knowledge of Heavy Minerals and Lithium base on inter-disciplinary knowledge/ experience for the development of value chain of Heavy Minerals and Lithium in the Country and globally.

REES-2024 will be addressing the following topics:

- Modern Mining Methods
- Latest Exploration Techniques
- Offshore Mining- a Realm
- Unleashing Clean Energy futures.
- Energy transition & increase in Mineral Demand
- Investment Potential
- Supply Outlook
- Strategies for self reliance in Lithium
- ESG (Environmental Social Governance)
- Sustainable and responsible practices.
- Supply reliability and resilience
- Global & Indian Scenario
- New Generation Equipment
- New Areas of Research



Conference Dates: 29th & 30th August 2024

Venue

The conference will be held at Grand Hyatt, Cochin

Plenary and Invited talks by experts in the respective field and presentation of contributory posters by scientists / engineers / academicians / professionals will form the main program of the conference. Those desirous of presenting posters in the conference are requested to submit one page abstract of their poster along with the completed registration form.

Abstract Format

Authors wishing to present posters are requested to submit an abstract of not more than 400 words. The abstract should be in English and conform to the following format: Title in Times New Roman 14, bold capital letters, centered; Author(s) Name(s) in Times New Roman 12, centered, presenting author's name underlined; affiliation and address (including e-mail) in Times New Roman 12, centered; Text in Times New Roman 12. Please give a margin of 3 cm on top and bottom and 2.5 cm on left and right side of each page. Figure caption should be given under the figure and table heading should be given on the top of the table, both in Times New Roman 12. References in the text should be in square brackets and they should be listed at the end of the abstract in the ascending order, with initials and names of all Author s, Journal name (italic), Year, Volume (bold in italic}, page numbers. For example: [1] S. Seetha Lekshmi, A. R. Ramya, M. L. P. Reddy, Sunil Varughese, J Photochemistry and Photobiology C: Photochemistry Reviews, 2017, 33, 109. [2] Books should be sighted as follows: K. Binnemans, Handbook on the Physics and Chemistry of Rare Earths, Elsevier, Amsterdam, 2005, vol. 35, pp. 1 07-272. All correspondence regarding poster submission and registration forms should be sent to: Technical Committee Chairman, REES 2024 (Email).

Abstract will be considered / reviewed by a panel of referees for inclusion in the programme.

Registration Fee

Registration fee will entitle entry to conference sessions exhibitions, tea/coffee breaks, conference lunch, dinner, conference kit and abstract book. In addition to the scientific activities of the conference, site seeing tours may be arranged upon request. For more details, please contact the information/travel desk at the conference venue. Registration fees are:

On or before 30/06/2024

Details	Indian	Foreign
Delegate fees	Rs 10,000/-	USD 400/-
(REAI Members)	Rs. 6,000/-	
Students –		
(REAI Non-Members)	Rs. 3,000/-	
(REAI Members)	Rs. 2,000/-	USD 200/-
Accompanying Person (India) *	Rs. 5,000/-	USD 150/-

* Registration kit is not included for accompanying person.

Refund and cancellation policy

For cancellations, if request is made by 1st July 2024, 50% of the conference registration fees will be refunded. Please note that refund will be made after deducting the processing fee charged by our bank. Cancellation request must be received in writing only, via, Email:.....

Payment Option

Beneficiary Account No: 59205823456789

Beneficiary Name : 'REES 2024'

Bank Name: HDFC Bank

Bank Address: Prabhadevi, Mumbai-400025

IFSC Code: HDFC0000012

Important Dates

Abstract submission closes on: 15th May 2024

Acceptance of abstracts: 30th June 2024

Souvenir

A souvenir consisting of abstracts of the scientific papers/posters, advertisements and general information will be published on the occasion of REES 2024. The organizing committee requests all the well wishers/ participants to render their fullest support by way of providing advertisements/scientific inputs in the souvenir.

Advertisement charges

Tariffs for advertisements in the souvenir are given below:

Cover Front Page Colour	Rs. 2,50,000/-
Inside Full Page Colour	Rs. 1,00,000/-
Back Full page Colour	Rs. 2,00,000/-
Inside Back page Colour	Rs. 1,50,000/-

Sponsorship

The tariff for sponsorship in connection with REES-2024, will provide a perfect opportunity to showcase and promote the Industries in Heavy Minerals on an International platform.

Platinum Sponsor Rs 20 lakh	8 Free delegates, with 1 full page colour advertisement in souvenir & prominent display of logo at the venue
Diamond Sponsor Rs 10 lakh	3 Free delegates, with 1 full page colour advertisement in souvenir & prominent display of logo at the venue
Gold Sponsor Rs 5 lakh	2 Free delegates, with 1 full page colour advertisement & display of logo at the venue
Silver Sponsor Rs 2 lakh	1 Free Delegate, with 1 full page colour advertisement & display of logo at the venue

Accommodation

Organizers have reserved limited number of rooms at hotels near the conference venue for the participants at special discount rates. Hotel reservation will be made on a first-come, first serve basis.

Exhibition

It has been decided to organize an exhibition on topics covering Lithium & Heavy Minerals in connection with REES-2024. This will provide an excellent opportunity to display their products for industry and discuss with experts on the future business scope in the field of rare earth-based materials and their application.

Size of the Exhibition	Stall charges
3 meter X 3 meter (and in multiples of 3 x 3)	Rs. 2,00,000 Lump Sum Charges



RARE EARTH ELEMENTS

CATALYSING ENERGY TRANSITION



IREL (India) Limited
(Formerly Indian Rare Earths Ltd)
A Govt. of India Undertaking
A Miniratna-I Company



200K+
Employment generation

10K+
CSR beneficiaries

1.5K+
Industries supported
in the value chain

1K+
Families rehabilitated

1.5K+
Acres of Green belt
developed

INDUSTRIES CATERED

AEROSPACE | CONSTRUCTION | COSMETICS & SKIN-CARE | CHEMICALS | DEFENCE | ELECTRIC VEHICLES | ELECTRONICS
GLASS & CERAMICS | GREEN ENERGY | GUIDANCE & CONTROL SYSTEM | HEALTH CARE | LASER | METAL & ALLOYS | NUCLEAR POWER
PAINTS & COATING | PETRO CHEMICALS | PRECISION CASTING | PROSTHETICS | REFRACTORIES & FOUNDRIES | TELECOMMUNICATION

