

The **Association of Exploration Geophysicists (AEG)**, a registered non-profit organization established in 1974 is one of the oldest scientific organizations in India. Starting with a modest beginning of 30 members in 1974, AEG presently has a membership of 1500 members from various fields viz., higher education, industry, basic research, applied geosciences, governmental institutions, universities, Oil & Gas, Mineral and Groundwater organizations and private sector companies. The main goal of the association is strengthening of geoscientific awareness in the country by effective co-ordination of research and investigation in exploration geophysics and allied disciplines. The Association serves actively to build the bridge between the academic experts, practitioners and R&D needs of the industry by conducting seminars and workshops. The Association has completed 45 fruitful and glorious years of service to the cause of Geophysics in the country.

Seminar on Exploration Geophysics

The Association has successfully conducted 40 annual meetings and seminars with special themes of topical interest and national importance. AEG seminars are organized in different parts of India to enthuse and involve geoscientists from various organizations, academic and Industries and bring them to a common platform. AEG annual conventions have come to be known as a rallying point for geosciences professional from academia and industry.

AEG will be organizing its 41st Annual Convention and Seminar along with **2nd Triennial Congress of Federation of Indian Geosciences Associations (FIGA)** being held at **CSIR-National Geophysical Research Institute, Hyderabad** during 13-16 October, 2019 with a special theme on **Geosciences for sustainable development goals**. AEG is organising symposium on *Mineral Exploration -Challenges for new Discoveries*.

Minerals are a major resource for the core sectors of the economy. There is a huge demand for minerals in view of the rapid urbanization and the projected growth in the manufacturing sector. With a thrust on Make in India initiative the demand for minerals is likely to grow at a rapid pace. Exploration and exploitation of different mineral resources has to be guided by long-term national goals and perspectives and integrated into the overall strategy of economic development.

It is an ever continuing challenge faced by the earth scientists and technologists to enlarge the scope of mineral finds through better understanding of their evolutionary processes, localization, application of latest techniques for their identification, assessment and economic exploration. Geophysical studies always play a vital role in exploration of buried ore deposits. Rapid depletion of surface and shallow sub-surface deposits warrants immediate implementation of newer exploration technology for deposits buried

under considerable cover. In this era of technological innovation, exploration techniques for exploitation of deep seated ore bodies up to a depth of 2500m do exist but with high cost of investment and expensive exploration methodologies. World over it is recognized that success rate in mineral discovery in soil-covered and concealed mineralized rock formations is significantly enhanced through combination of deep geological understanding that is supported by favorable geochemical and geophysical considerations. India has also targeted to explore for more deeply buried ore deposits, both in regions of known mineralisation and in regions of unknown prospectivity obscured by overlying rocks by application of innovative technologies and exploration methods encompassing aerogeophysical, ground geochemical and geophysical surveys.

India also has a vast area under its Territorial Waters and Exclusive Economic Zone. Preliminary mineral exploration surveys have shown potentiality of mineral occurrence off the coast on either sides of Peninsular India. At present, the marine exploration is mainly confined to surface mapping and sampling of seabed to estimate mineral resources contained in the unconsolidated marine sediments. The Ninety Degree East Ridge in the Bay of Bengal is an extensive mega-linear submarine structure known for modern day ore forming mineral muds. Co-Ni-Mn-Fe bearing nodules at the ocean floor are recorded off the coast of India. This provides a considerable scope for mineral targeting in offshore areas of India.

The seminar aims to deliberate on advanced and innovative mineral exploration technologies which result in better geological insights and aid in discovery of new deposits for future security of mineral resources in the country.

Various National Organisations, Government departments and Private agencies engaged in diverse geoscientific activities will participate and sponsor the seminar. The programmes scheduled for the seminar includes oral and poster presentations on various themes related to mineral exploration particularly more predictive approach to exploration and processing and interpretation of geoscientific data for better results. The seminar is expected to attract a number of renowned geoscientists from India and abroad who will be presenting technical papers on the state of art practices in geosciences. This seminar will be of immense value to professional geoscientists, industrial planners, investors, engineering geologists and research scholars of geosciences. The delegates of the seminar will get an opportunity to share a comprehensive review of the geophysical, geological, engineering and educational challenges. The seminar serves as a unique interdisciplinary platform for the delegates to enjoy a broad spectrum of geology, geophysics and related technologies in the technical sessions, poster sessions and exhibition.

The Mineral Exploration symposium is planned to cover different topics related to Exploration and Exploitation of mineral resources under the following major themes:

Major Themes:

- * Mineral Exploration including Coal and Atomic Minerals
- * Innovative Geophysical Exploration Technologies: Closing the discovery Gap
- * New Minerals Discoveries and developments
- * Advanced modelling ,inversion and geological interpretation of Geophysical data

Call for Abstracts/Full Papers

Papers are invited from participating scientists as per the guidelines of Journal of Geophysics. Authors are requested to indicate the most suitable theme under which their paper should be evaluated by the conveners/referees. Abstract of about one page is required to be submitted by the participants who would like to present their research work either in the form of poster and/or oral presentations. The last date for submission of the abstract is on or before 20th September 2019. All accepted abstracts will be intimated before 23rd September, 2019. Authors whose papers are accepted will be required to submit full papers. Original scientific contributions are encouraged and invited. Review articles are discouraged. Authors are requested to email the abstract/full paper in latest version of MS Word.

Authors are requested to send abstract/full paper which follow one of the conference themes, And should include Name of author (s) and affiliation of all authors, and full mailing address with contact number and Email ID of the corresponding author.

Only those scientific papers for which the Registration form and fees is received will be considered for presentation. All delegates are advised to register for the seminar well in advance. Communication regarding acceptance of the papers for oral/poster presentation will be sent to the authors before 1st October, 2019.

Invitation to Exhibitors and Sponsors

AEG extends heartiest invitation to Exhibitors and sponsors to the 41st Annual convention and Seminar on Exploration Geophysics where one will have unique access to marketing and publicity opportunities. The conference will bring together national and international delegates from government, industry and education with interest in application of geophysics from mineral, petroleum, coal, ground water, engineering and environmental studies. As an Exhibitor and/or Sponsor, companies will have unique access to the marketing and publicity opportunities. Various Event sponsorship opportunities are available for the Seminar which includes Platinum, Gold, Silver sponsorships etc.

REGISTRATION FORM

**2nd Triennial Congress of FIGA in conjunction with 41st Annual Convention of AEG,
56th Annual Convention of IGU, 37th Annual Convention of AHI,
Annual Conventions of PSI and ISES and the AGM of GSI on
Geosciences for sustainable development goals**

(Kindly fill up the form in capital letters and use separate form for each participant)

1. Name (Prof/Dr/Mr/Mrs./Ms.)
2. Age:
3. Designation/Affiliation:
4. Address for correspondence:
5. Telephone & Mobile No:
6. Email:
7. Fax No:
8. Title of Abstract (if submitted):
9. Preference of Presentation (please tick) [...] Oral [...] Poster

Please tick suitable topic only

- [.....] Solid Earth and Geodynamics
[.....] Marine Geo-Sciences and Ocean System
[.....] Coupling between earth system process and interaction with human activities
[.....] Mineral Resources
[.....] Advances in Hydrocarbon and alternate Energy Resources
[.....] Understanding and combating natural hazards
[.....] Water Resources: Sustained Management
[.....] Young Geoscientist enclave – Selected papers from Posters with innovative ideas

10. Mode of Payment for Registration:
11. Accommodation required: Yes No
12. Do you belong to any one or more of these associations ? if

Yes Pl. select

IGU [...] AEG [.....] AHI [.....] FIGA [.....] SPG [.....] GSI [.....] PSI [.....] ISES [.....]

Place:

Date: Signature

All correspondence to:

**Organising Secretary, 2nd FIGA Triennial Congress,
C/o CSIR-National Geophysical Research Institute,
Uppal Road, Hyderabad 500007, Telangana, India.
Email: orgsecfigacongress@gmail.com**



ASSOCIATION OF EXPLORATION GEOPHYSICISTS

AEG Best Ph.D. Thesis Award - 2018

Association of Exploration Geophysicists with the aim of encouraging and promoting scientific research in geophysics is sponsoring an award in each (calendar) year from 2015 to be known as the "AEG Best thesis award".

- i) To the Ph.D thesis of those awarded in Geophysics by an Indian University.
- ii) The Thesis may have been submitted to any department in a University in India but should have a relevance to Geophysics.

AEG award consists of a cash prize of Rs.25,000/-, a citation and a plaque.

Eligibility

Researchers/Professionals, engaged in research in geophysics, who have been awarded doctoral degrees in the period under consideration **January, 2017 - June, 2018** by an Indian University/deemed university are eligible for these awards.

Application/Nominations are invited by **30th September, 2019** in the prescribed format indicated below.

The application form can also be downloaded from AEG's website www.aegind.org

Nomination and Selection Procedure for Awards

Nominations for the award can be submitted along with the required enclosures both as hard copy and in soft copy format to AEG before the due date. Applications may either be sent directly by the candidate or can be nominated by the Guide/Head of the Department/Head of the Institution. The names of the final awardee will be decided by the Award Committee of eminent geoscientists of national and international repute nominated by the President, AEG.

The selection of the award is solely based on the originality and innovativeness of the research contribution and quality of research work.

The names of the awardees will be announced by **5th October, 2019**.

Best thesis award will be conferred at the AEG's Annual Convention. The recipient of the award will be invited to present the salient results of his / her research work during the AEG's Annual convention.

No interim queries will be entertained and canvassing in any form will disqualify the nomination.

In all matters of AEG Award for best thesis, the decision of Award Committee nominated by President, AEG shall be final.



ASSOCIATION OF EXPLORATION GEOPHYSICISTS

AEG Best Ph.D. Thesis Award - 2018

APPLICATION FORM

for Ph.D. Thesis Awarded for the period _____

Name of the candidate :

Date of Birth :

Address for
Correspondence :

Phone/Fax/email :

Title of the doctoral
thesis :

Department :

University :

Date of announcement
of the award of Ph.D
Thesis :

(Acceptance letter/notification/degree from the concerned University/Institute may please be enclosed)

Enclosure No.:

Enclose the following in both hard copy and soft copy* format

1. A Copy of the Thesis
2. Summary of the significant work in 1000 words
(Important figures may be included)
3. Milestone contribution in the thesis in the opinion of the candidate to justify his/her nomination (500 words)
4. Publications based on thesis work

*The soft copy of the enclosures along with the scanned copy of the Application form to be sent by an email to aegindiageophysics@gmail.com

Place :

Date :

Signature of the Candidate

Signature of the guide/Head of
the Department/Head of the Institution.

The Applications must be sent to

The Secretary
Association of Exploration Geophysicists
12-13-763, Flat. No.101, Street No.1, Lane No. 2, Kimtee Colony
Tarnaka, Hyderabad - 500 017, India.
Phone: (040) 40259557
Email: aegindiageophysics@gmail.com
www.aegind.org



ASSOCIATION OF EXPLORATION GEOPHYSICISTS

Sriram Srinivasan Award - 2018

Association of Exploration Geophysicists with an aim of encouraging and promoting scientists and professionals in Geophysics/Geology in India is sponsoring an award in each (calendar) year from 2016 to be known as the “Sriram Srinivasan Award”. This award is in honour and remembrance of late Shri.Sriram Srinivasan, an alumini of IIT Kharagpur and pioneer in the Indian Mining Industry in promoting the application of computer aided tools in exploration and mine planning. The cash prize for the award is being sponsored by Datacode, Nagpur.

Sriram Srinivasan Award is to be awarded each year to a Geophysicist/Geologist for his professional excellence, outstanding work and significant contributions in exploration geophysics/geology and related geosciences.

The award consists of a cash prize of Rs.25,000/-, a citation and a plaque.

Nomination and Selection

Nominations for consideration for the award are invited from eligible Indian professional geophysicist/geologists. The nomination shall specify: (i) Name and address of nominee; (ii) Summary of the work done by the nominee which will form the basis for nomination (about 200 words) stating whether the work (part or whole) has been recognized for any other prize or award; (iii) a longer statement (not exceeding 1000 words) providing additional information regarding the career of the nominee (iv) list of nominee’s published works.

Nominations are to be submitted along with the enclosures both as hard copy and in electronic form by email to aegindiageophysics@gmail.com before the due date. The awardee will be decided by the Award Committee of eminent geoscientists nominated by the President, AEG. The committee will be empowered to consult experts in the field, if necessary

Last date for receipt of nominations is extended to **30th September , 2019** and the name of the awardee will be announced by **5th October, 2019**.

The award will be conferred at the AEG’s Annual convention scheduled in October,2019.

No interim queries will be entertained and canvassing in any form will disqualify the nomination. In all matters of the Sriram Srinivasan Award, the decision of the Award Committee, nominated by the President, AEG shall be final.