International Conference on Radiological Safety in Workplace, Nuclear Facilities and Environment
IARPIC – 2016

February 22 -25, 2016
Convention Centre, DAE Township
Anupuram - 603 127, Tamilnadu, India
The Indian Association for Radiation Protection (IARP) is organizing an International Conference (IARPIC-2016) on "Radiological Safety in Workplace, Nuclear Facilities and Environment" during February 22-25, 2016 at Anupuram, Tamil Nadu, India. The conference will include one day workshop on 22-02-2016 for the benefit of students/research scholars, which requires intimation during the registration. The workshop will cover general lectures on radioactivity and demonstration of radiation equipments.

The Indian Association for Radiation Protection (IARP), a non-governmental organization (NGO) of radiation protection professionals in India, was registered in 1968 under the Public Trust Act, 1950. The association has a large membership comprising of specialists and users of natural and man-made radiation sources. The Association is an affiliate of the International Radiation Protection Association (IRPA) since May, 1970. The Association has six chapters in different regions of the country (Delhi, Kanpur, Hyderabad, Tarapur, Kaiga and Kalpakkam).

The aims of IARP include bringing about proper awareness of the benefits of ionizing radiations amongst their users in particular and the public in general. It encourages adoption of appropriate means / procedures for avoiding or reducing radiation exposure in the applications of ionizing radiations and nuclear technology in the country, such as power generation, industry, medicine, agriculture, scientific research etc., thereby maximizing the benefits to the society. It provides a forum for communication and exchange of information amongst specialists in the field of radiation protection and related disciplines in the country and with their counterparts in other countries. It conducts training courses to cater to the requirement of trained manpower in the industrial applications of radioisotopes in industry and research. The IARP publishes an open access web-based quarterly journal “Radiation Protection and Environment” (RPE).

IARP has been serving the national and international scientific community for the past 47 years by organizing national and regional conferences and workshops in the field of Radiation Protection and Safety. There has been some kind of pessimism among a few members of public on the uses of radiation for peaceful applications and time to time show unwillingness to accept any new facilities to be set up in the country. This is in spite of taking, stringent safety precautions at the design stage and protection measures during operation stages of the nuclear facilities and assessment by independent agencies. Enormous amount of studies have undergone, over the years, leading to the development of advanced monitoring methods, decontamination techniques, state-of-the-art environmental radioactivity measurements, newer techniques for radioactive waste treatment and approach of zero effluents discharge concept from nuclear facilities. All these efforts have surely led to lower occupational personnel exposure, decreased effluent discharges to the environment and therefore negligible dose to the member of public (< 2% of the regulatory limit). In view of these developments, IARPIC-2016 is devoted to the conference theme of “Radiological Safety in Workplace, Nuclear Facilities and Environment”. The major scientific thematic areas to be covered are: Personal Radiation Dosimetry, Workplace Monitoring & Control of Exposure, Gaseous & Liquid Effluents, Internal Dosimetry Techniques, Environmental Radiation Protection, Soft Computing & Mathematical Modeling, Radiological Safety Instrumentation, Radiological Emergency Preparedness & Systems, Medical Dosimetry, Radiation Safety in Accelerators, Regulatory Aspects & ICRP Recommendations. This conference is a forum for all the stakeholders to discuss various issues related to the developments in radiological and environmental safety of nuclear facilities. Participation of students/research scholars/academicians from universities will enable them to understand the nuclear operations and safety programmes of the department and accept the nuclear energy for the future development.

As per the policy of IARP every alternate conference is being organized outside of Mumbai. Accordingly the 2016 conference is purposed to be organized as an International Event in Anupuram, near to Kalpakkam, a major research centre under Department of Atomic Energy. It gives us immense pleasure in inviting you to participate in IARPIC-2016 and look forward to your valuable technical contributions in the conference.

Dr. K.S. Pradeepkumar  
President, IARP

Dr. B.Venkatraman  
Chairman, IARPIC-2016

Dr. M.S. Kulkarni  
Secretary, IARP
About Venue

The symposium will be held in Convention centre, DAE Township, Anupuram. Anupuram is a residential township of the Department of Atomic Energy (DAE) located near Kalpakkam and Mamallapuram (Mahabalipuram) in the state of Tamilnadu in India. It is located at about 70 km south of the city of Chennai (erstwhile Madras) which is connected to the rest of the world through an International airport. Chennai lies in the south eastern part of India and is a coastal metropolitan city. Mamallapuram (Mahabalipuram) is a heritage town known for its ancient temples and monolithic sculptures. Mamallapuram (Mahabalipuram) is just 10 kms from Anupuram, the venue of the symposium. Pondicherry is another city nearby the venue and is known for its French connection and for Auroville.

Scientific Programme

The scientific programme of the conference will include Invited Talks, Proffered Papers, Posters, Panel Discussion and Technical Exhibition. There will be a one day pre-conference workshop for the students/research scholars from universities on Radiation Safety Culture on 22/02/2016. The theme of the work shop is “Natural Radioactivity & Radiation Sources”. The workshop will cover general lectures on radioactivity and demonstration of radiation measuring equipments. The topics to be covered are Primordial Radioactivity, Man Made Radiation Sources, Fundamental Units of Radiation, Ambient Background Radiation, Principles of Radiation Detection and Benefits of Radiation to Mankind. The workshop also includes demonstration of Radiation Measuring Instruments and hands on use of simple Radiation Survey Meters by the participant.

Students/Research scholars from Universities and other Institutes and participant from industries are required to register themselves for attending the workshop. The number of participants for the work shop is limited; the selection will be based on first-cum-first served basis. There is no specific registration fee for the pre-conference workshop and is free once registered for the International conference for students, however for participants from industry, the registration fee is Rs. 1000/-.

Eminent persons in the field of Radiation Protection will be honoured by bestowing various awards. The Oration lectures will be delivered in the Plenary Sessions. In addition to these, there will be best oral paper and best poster presentation awards, which will be declared during the last session of the conference. The major scientific thematic areas to be covered at the conference are listed.
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GUIDELINES FOR MANUSCRIPT PREPARATION AND SUBMISSION

Contributions should be brief with relevant scientific/technical details in the form an extended abstract of one page, not exceeding 500 words. The objective of the paper should be clearly stated in the introduction of the abstract. The extended abstract should be of two column type containing Title, Affiliation, Introduction, Materials and Methods, Results and Discussions and References, strictly as per the template. The template of the abstract and instructions for full manuscript can be downloaded from the IARP website. The contribution can be submitted ONLINE through the abstract submission facility of IARP website (www.iarp.org.in) before the closing date. The abstracts can also be submitted OFFLINE by email to the convener ddrao217@gmail.com of the Scientific Programme Committee of the conference. A maximum of only three most relevant references should be included in the abstract and listed as per the template. References in text should be indicated as given in the template. In the reference list, the author’s name should be followed by initials, year of publication within parentheses, followed by comma, title of the paper, the journal in which it appeared, volume number and the page numbers. SI units should be used throughout. The illustrations such as figures and long tables should be avoided as far as possible, unless they are essential. Abstract submitted for presentation in the conference will be reviewed independently by the two members of the scientific programme committee and experts in the field. A book of abstract including abstracts of invited lectures will be published and distributed during the conference. Last date for abstract submission is 15/11/2015. The acceptance of the paper will be intimated within 30 days after the last date of abstract submission.

It is also planned to publish the papers in the Journal of Radiation Protection and Environment, being published as a quarterly journal. For this, the full text of the article including tables, figures, references, etc should be prepared and to be submitted latest by 31-12-2015. The full paper submitted for the journal will be peer reviewed by experts in the field as per the policy of RPE journal. After revision, the article shall by uploaded and submitted to the journal through ONLINE SUBMISSION SYSTEM of RPE (http://www.journalonweb.com/rpe). It is assumed that authors are fully aware of plagiarism and submitting original research/developmental work for this conference.

The authors of the best papers presented at the conference will be given IARP Best Paper Award (oral) and IARP Best paper (poster) Award.

It is assumed that the authors have obtained clearance (if necessary) from the appropriate authority for presentation and publication of the material they are submitting.

Dr. D. D. Rao
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Tel.: 022-2559 8288
IARP AWARDS
Nominations/applications are invited for the following IARP awards. Secretary, IARP (kmukund@barc.gov.in & ksmukund@yahoo.com) may be approached for obtaining more information about these awards. Information on awards can also be found in the IARP web site (www.iarp.org.in).

- Dr. A.K. Ganguly Memorial Oration Award
- Dr. K.G. Vohra Memorial Lecture Award
- Shri A. Nagaratnam Memorial Oration Award
- Dr. A.K. Ganguly Felicitation Prize
- Dr. A.R. Gopal Ayengar Young Scientist Award
- Meritorious Radiological Safety Officer Award
- Meritorious Operational Health Physicist Award
- Dr. P.R. Kamath Radiation Environmentalist Award
IMPORTANT DATES

Abstract Submission : 15/11/2015
Intimation of Acceptance : 15/12/2015
Registration and Accommodation Request (up to) : 31/12/2015
Full paper submission for publication in RPE journal : 31/12/2015

Abstracts will be considered for the conference presentation, only if full papers are submitted before scheduled date.

ACCOMMODATION AND TRANSPORT

M/s. Travelxs, Chennai at www.travelxs.in
Email : conference@travelxs.in
Phone : +91-044-42148011
Mobile : +91-9551688842 & Mr. Jawahar Amizdhani +91-9841726479
Details are also available in www.iarp.org.in

REGISTRATION

Registration is pre-requisite for attending the conference and presenting a paper. Request for registration should be sent to the Convener, Steering Committee, by sending the completely filled up FORM-A or FORM-C accordingly (downloadable from the website www.iarp.org.in), and paying Registration fee as listed below.

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<thead>
<tr>
<th>Type of registration</th>
<th>Amount payable (INR)</th>
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<tbody>
<tr>
<td></td>
<td>Regular up to 31/12/2015</td>
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<tr>
<td>IARP member</td>
<td>2500</td>
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<tr>
<td>Senior Citizen</td>
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<tr>
<td>Non IARP Member</td>
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<td>Accompanying Person</td>
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<tr>
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<tr>
<td>Trade delegate</td>
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<tr>
<td>Foreign delegate</td>
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<tr>
<td>Foreign students</td>
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• To encourage the participation of young students, financial assistance to the deserving students will be provided subject to the availability of funds. Certificate from Head of the Institute/Department is required.
Conference Secretariat

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