



# NATIONAL CONFERENCE ON **RADIATION PHYSICS**

November 23rd - 24th, 2017



Organised By: **Department of Physics, Bangalore University**

In Collaboration With: **AMD, Bengaluru**

Venue: **Bangalore University,  
Jnana Bharathi Campus,  
Bengaluru - 560056**



## INVITATION

The Department of Physics, Bangalore University is pleased to invite you to the Two Day NATIONAL CONFERENCE ON RADIATION PHYSICS (NCRP- 2017) to be organised during November 23rd – 24th, 2017 at Bangalore University, Jnana Bharathi Campus, Bengaluru in collaboration with AMD, Bengaluru.

Bangalore University is one of the oldest and largest Universities in India established in Central College campus, Bengaluru in the state of Karnataka. The Central College and Jnana Bharathi Campus are the two main premises where various administrative and educational activities are being carried out. The University is structured into six faculties- Arts, Science, Commerce & Management, Education, Law and Engineering. It has 48 Post Graduate Departments, a Postgraduate Centre at Kolar, four constituent colleges, 684 affiliated colleges and several other Centres and Directorates of higher learning and research under its purview. At present, the University offers 50 Post Graduate Courses and Employment Oriented Diploma and Certificate Courses. Recently, University has been accredited by NAAC with A' Grade in 2016.

The Department of Physics, one of the oldest in the Central College, has been in existence from 1882. It was in what is now called as the Raman Hall in the Central College where C.V Raman gave the first detailed exposition of the Raman Effect on the 16th March 1928. In later years research initiatives in Nuclear Physics were boosted by the efforts of N.G Puttaswamy through UGC and CSIR grants. In 1989, the Department was shifted to Jnana Bharathi Campus. As on today, the Department has active teaching and research programmes. ISRO has instituted the Sir M. Visveswaraya Chair in the Department and actively supports research and pedagogy in Atmospheric and Space Science. Research activities of the Department include Advanced Materials, Atmospheric Physics & Space Science, Nuclear and Radiation Physics, Quantum Information, Soft and Biological matter, Solid State Spectroscopy and Physics Education Research. The faculty has collaborations with national research institutions like IISc, ISRO, RRI, IIA, IUCAA, BARC, IGCAR & UGC-DAE-CSR, apart from international collaborations with individual faculty. The faculty research is also supported through individual projects from UGC, DAE-BRNS, ISRO and DST. The Department has recently been awarded funding under DST-FIST (Phase-1).

## ABOUT THE EVENT

The main theme of the conference is **ADVANCES IN RADIATION PHYSICS RESEARCH**. Radiation has wide applications in almost all walks of our life. It is necessary to understand the origin, properties and effects of these radiations on the medium which results in physical, chemical & biological effects. In addition, there are several situations in which, the human beings come in contact with the radiations mainly in research, medical, industries, nuclear power plants, agriculture and spacecraft applications. Safety use and control of radiations is very essential for the personnel involved in these fields. Hence, it is a standard practice for the radiation workers to optimise the radiation exposure as low as reasonably achievable. Accordingly, the present conference is specifically planned with the above focal theme. The scientific programme of the conference includes plenary and invited talks by eminent scientists from premier institutions such as BARC (Mumbai), AMD (Hyderabad & Bengaluru), IGCAR (Kalpakkam), CAT (INDORE), VECC (Kolkatta), SINP (Kolkatta), Universities, and contributory oral and poster presentations by delegates

## MAJOR SCIENTIFIC THEMATIC AREAS

Radiation detection & measurement

Radiation Physics & Interaction in matter

Radiation processes & transport

Biological effects of Radiation

Applications of Radiation & Radioisotopes in agriculture, medicine, food processing & industry

Environmental Radioactivity

Radiation protection & Dosimetry

Reactor Physics & Shielding

Nuclear Energy & materials

Radiation in space science studies

Materials processing with ion beams, electron, gamma & neutrons

Effects of Radiation on materials

Advances in defects & material characterisation

Radiation for Society

Radiation awareness programme



## PAPER SUBMISSION

The authors are invited to submit their manuscripts of the research findings on the specified scientific topics. Nonetheless, other topics of research related to the conference theme are also welcome. The manuscript should be prepared according to the template (available in conference website) and should not exceed 4 pages. The manuscript should be submitted online in the official conference website. The manuscript can also be submitted offline by email to [ncrp2017@gmail.com](mailto:ncrp2017@gmail.com). The reviewed and selected papers by the scientific programme committee will be duly informed to the authors. The short listed papers will be published in peer reviewed journal with ISSN no./Proceedings with ISBN no.

## IMPORTANT DATES

AUG  
08  
2017

**Manuscript submission open**

SEP  
05  
2017

**Manuscript submission close**

SEP  
25  
2017

**Acceptance notification**

AUG  
08  
2017

**Registration open**

SEP  
25  
2017

**Accommodation request**

NOV  
23-24  
2017

**Conference date**

## REGISTRATION DETAILS

Category	Amount
Faculty delegates	₹ 2000
Student delegates	₹ 1000
Industry Delegates	₹ 3000
Accompanying person	₹ 500

To encourage the participation of the young researchers, financial assistance (limited to sleeper class train fare) will be provided for the deserving students subjected to the availability of the grants.

Accommodation will be provided to the conference delegates in the University guest house/Hotels on payment basis.

## OFFLINE DEMAND DRAFT (DD)

The registration form has to be downloaded from the conference website. Registration fees can be paid by purchasing a DEMAND DRAFT (DD) in favour of "CHAIRMAN, DEPT OF PHYSICS". The duly filled in registration form along with the DD has to be submitted to the below mentioned address at the earliest.

## NEFT/NET Banking ONLINE

Acc Name: **CHAIRMAN, DEPT OF PHYSICS**  
Account No.: **54047021708**  
Bank Name: **State Bank of India**  
Branch: **Nagarabhavi**  
IFSC code: **SBMY0040211**

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₹ 3000 : Full page - Black & white

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Dr. N. Nagaiah	Bangalore University, Bengaluru

## Address for Correspondence

### Dr. N. Nagaiah

Convener-NCRP 2017



**Department of Physics**  
Bangalore University  
Bengaluru-560056

080-22961490/71

+919449976890

+918762773135

nagaiahn@rediffmail.com

ncrpbub2017@gmail.com

www.ncrp2017.com



## Organising committee

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