

**DAE-BRNS**  
*Ultrafast Science – 2015*  
**(UFS-2015)**

**November 19- November 21, 2015**  
**S. N. Bose National Center for Basic Sciences**  
**Kolkata, West Bengal**

**REGISTRATION FORM**

**Name (In capital) :**

**Sex (M/F) :**

**Registration Fee Category:**  
(Students/General)

**DD Number/E-transfer detail**

**Address:** .....

.....

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.....

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**Pin Code:** ..... **Mobile:** .....

**Fax:** ..... **E. mail ID:** .....

**Accommodation required**

**From----- To -----, 2015.**

Date:

Place: ..... Signature:

**National Advisory Committee**

- Dr. S. Basu, SINP, Kolkata
- Dr. K. Bhattacharyya, IACS, Kolkata
- Dr. P. K. Datta, IIT Kharagpur
- Dr. P. D. Gupta, RRCAT, Indore
- Dr. P. K. Gupta, RRCAT, Indore
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- Dr. D. Mathur, TIFR, Mumbai
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- Dr. D. K. Palit, BARC, Mumbai
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- Dr. A. K. Sood, IISc, Bangalore
- Dr. A. Taraphder, IIT Kharagpur
- Dr. S. Umamathy, IISc, Bangalore
- Dr. A. Barman, SNBCBS, Kolkata

**Patrons**

- Director, SNBCBS, Kolkata (Chief Patron)
- Dean (Faculty), SNBCBS, Kolkata
- Dean (AP), SNBCBS, Kolkata
- Head, CMPMS Dept., SNBCBS, Kolkata
- Head, CBMS Dept., SNBCBS, Kolkata

**Local Organizing Committee**

- Director, SNBCBS, Kolkata (Chairperson)
- Dr. A. Barman, SNBCBS, Kolkata (Convener)
- Dr. Dipak K. Palit, BARC, Mumbai (Co-Convener)
- Dr. P. K. Datta, IIT Kharagpur
- Dr. S. K. Pal, SNBCBS, Kolkata
- Dr. R. Biswas, SNBCBS, Kolkata
- Dr. R. K. Mitra, SNBCBS, Kolkata (Secretary)
- Dr. M. Pradhan, SNBCBS, Kolkata
- Dr. J. Sinha, SNBCBS, Kolkata
- Dr. B. Pal, IISER Kolkata

**DAE-BRNS**  
*Theme Meeting on*  
*Ultrafast Science-2015*



**UFS-2015**



**November 19- November 21, 2015**

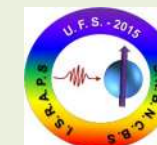


**Organized by:**

**S. N. Bose National Center for Basic Sciences**  
**Kolkata, West Bengal**

**and**

**Indian Society for Radiation and Photochemical**  
**Sciences Mumbai (ISRAPS)**



In recent times, significant progress has been made in the areas of ultrafast multidimensional vibrational and electronic spectroscopies, high order harmonics generation, X-ray and electron diffraction, nonlinear optics, terahertz spectroscopy and attosecond spectroscopy. Scientific questions using these methodologies are addressed in the areas of *ultrafast science*, which covers the area of chemical reaction dynamics in solutions, water hydration and interface dynamics, strong field effects in atoms and molecules, semiconductor and organic solids, bimolecular and photobiology, photosynthesis, metamaterials, spin, charge and lattice dynamics in highly correlated systems and nano-systems. Indian Society for Radiation and Photochemical Sciences (ISRAPS) in collaboration with the S. N. Bose National Centre for Basic Sciences will be organizing a three-day theme meeting on Ultrafast Science 2015 (UFS-2015) during November 19 - November 21, 2015 at S. N. Bose National Centre for Basic Sciences, Kolkata.

S. N. Bose National Centre for Basic Sciences is one of the pioneer research institutes in India. The centre is engaged in basic research in selected areas of Physical and Chemical Sciences including Condensed Matter Physics and Material Sciences, Chemical and Biological Physics, Theoretical Sciences, Astrophysics and Cosmology. The Centre is equipped with advanced experimental facilities for example, ultrafast and high frequency spectroscopy including femtosecond systems, time resolved MOKE and Tera-Hertz Spectroscopy, clean room etc. Our campus is situated on a 15 acre lush-green picturesque land in Salt Lake, Sector 3 and it can be accessed by air, rail and road conveniently.

This theme meeting on Ultrafast Science -2015 (UFS-2015) will address the present advances and impact of ultrafast technology by illuminating fundamental processes in Physics, Chemistry and Biology. The theme meeting will deliberate the latest advances in ultrafast processes, ultrafast optics, lasers and their applications in science and engineering.

- ✓ *Development of ultrafast sources*
- ✓ *Ultrafast methods and measurement techniques*
- ✓ *Ultrafast dynamics in chemical and biophysical processes*
- ✓ *Atomic and molecular physics*
- ✓ *Condensed matter physics and chemistry*
- ✓ *Photonics*
- ✓ *High field physics*
- ✓ *Applications*

Scientific sessions will include invited talks and poster presentations of contributory papers.

#### Important Dates

**Last date for submission of abstract: September 15, 2015.**

**Notification of acceptance: September 30, 2015.**

**Instruction for preparation of abstract is available on <http://www.bose.res.in/ufs2015>**

The abstracts will be critically reviewed by the UFS-15 technical committee and the notification of acceptance (or otherwise) will be communicated by e-mail. Poster presentations are deemed to be MOST important in this discussion meeting. Senior organizers have elected to present their latest work in the poster session and YOU are encouraged to also do so. **Best poster awards for student participants will be accorded based upon the evaluation of a panel of reviewers.**

#### Important Note:-

All poster presentee will have to make a 2-slide, 2-minute overview of the contents of their posters on 19<sup>th</sup> November 2015.

#### Registration Fee

**Registration fee: Rs. 3500/- (for Indian participants)**

**Registration fee: Rs. 12500/- (for Foreign participants)**

**Student registration fee: Rs. 3000/-**

**(Fee inclusive of break fast, lunch, dinner, local transport, accommodation and service tax)**

**Registration fee may be paid by DD in favor of "UFS-2015" payable at Kolkata on or before September 30, 2015.**

**For online transfer: See conference website for details.**

**All correspondence should be addressed to:**

**Dr. R. K. Mitra**

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**Kindly mail this form along with DD/transaction receipt to:**

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