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# NATIONAL CONFERENCE ON CHEMICAL PHYSICS

## (NCCP-2017)

### MARCH 20-21, 2017

#### ORGANIZED BY

#### DEPARTMENT OF PHYSICS, ASSAM UNIVERSITY, SILCHAR 788011, ASSAM, INDIA

<https://nccp17.blogspot.in/p/blog-page.html>



Tea Garden

### Invited Speakers:

- Prof. Siva Umopathy**  
Indian Institute of Science, Bengaluru
- Prof. P. C. Mishra**  
Banaras Hindu University, Varanasi
- Dr. G. Narhari Sastry**  
CSIR-Indian Institute of Chemical Technology, Hyderabad
- Prof. P. K. Mukherjee**  
RKMVU, Howrah
- Prof. Kalidas Sen**  
University of Hyderabad, Hyderabad
- Prof. L. C. Tribedi**  
Tata Institute of Fundamental Research, Mumbai
- Prof. Sourav Pal**  
Indian Institute of Technology Bombay, Mumbai
- Prof. G. P. Das**  
Indian Association for the Cultivation of Sciences, Kolkata
- Prof. Abhijit K. Das**  
Indian Association for the Cultivation of Sciences, Kolkata
- Prof. Dhananjaya Battacharyya**  
Saha Institute of Nuclear Physics, Kolkata
- Prof. Poonam Tandon**  
University of Lucknow, Lucknow
- Prof. Ashok Kumar**  
Tezpur University, Tezpur
- Prof. Tapan Ganguly**  
Jadavpur University, Kolkata
- Prof. Santhosh Chidangil**  
Manipal University, Manipal
- Dr. Pankaj Poddar**  
CSIR-National Chemical Laboratory, Pune
- Dr. P. K. Padmanabhan**  
Indian Institute of Technology, Guwahati
- Dr. N. R. Jena**  
Indian Institute of Information Technology,  
Design and Management, Jabalpur
- Dr. Archana Tiwari**  
Sikkim University, Gangtok
- Dr. Debesh R. Roy**  
National Institute of Technology, Surat



Assam University campus

### Organizers

- Chief Patron :** Prof. D. C. Nath  
Vice-Chancellor
- Patron :** Prof. A. K. Sen  
Dean, School of Physical Sciences
- Convener :** Dr. P. K. Shukla  
Asstt. Professor, Physics Department

### National Advisory Committee

- Prof. Ashok Kumar, Tezpur Univ, Tezpur
- Prof. Deepak Mathur, TIFR, Mumbai
- Prof. G.P. Das, IACS, Kolkata
- Prof. K.S. Narayan, JNCASR, Bengaluru
- Prof. Manju Bansal, IISc, Bengaluru
- Prof. N. Sathyamurthy, Director, IISER Mohali
- Prof. P.C. Mishra, BHU, Varanasi
- Prof. P.K. Mukherjee, RKMVU, Howrah
- Prof. P.K. Chattaraj, IIT Kharagpur
- Prof. Poonam Tandon, Lucknow Univ.
- Prof. R. Ramaswamy, JNU, New Delhi
- Prof. Siva Umopathy, IISc, Bengaluru
- Prof. Sourav Pal, IIT Bombay, Mumbai
- Prof. Sanjay Kumar, BHU, Varanasi
- Prof. Santhosh Chidangil, Manipal Univ., Manipal
- Prof. T. Ganguly, Jadavpur Univ, Kolkata
- Dr. V. Subramanian, CSIR-CLRI, Chennai

### Local Organizing Committee

- Dr. B.I. Sharma (Chairman)
- Dr. U. Sarkar (Secretary)
- Mr. S. Biswas (Treasurer)
- Dr. A. Deshamukhya
- Dr. Himadri S. Das
- Dr. A. Seniorita Devi
- Dr. B. Mahanta
- Mr. M. Baro



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### About the Conference:

Chemical physics is a branch of science at the interface between physics and chemistry that includes structures and dynamics of a wide range of chemical systems and phenomena e.g. atomic collisions, structures and properties of molecules, nanomaterials, biological macromolecules, complex materials etc. The field is very rich in terms of techniques used, both experimental and theoretical. The National Conference on Chemical Physics (NCCP-2017) will provide a forum to the researchers working at the forefront of chemical physics to share and discuss their most exciting results, recent developments and challenges. Eminent professors/scientists, young researchers, research scholars and M.Sc. students interested in experimental and/or theoretical areas of chemical physics from different parts of the country are invited to participate in the conference. The conference aims to provide ample opportunity to the students and young researchers to interact with senior professors/scientists, which may lead to collaborations for cutting-edge interdisciplinary research in the field of chemical physics. The conference will include key-note and invited lectures as well as oral and poster presentations.

### Call for Papers

The conference will cover all aspects of research related to chemical physics including the following:

- Biological and Biologically important molecules
- Molecular mechanisms of mutation and cancer
- Protein folding and dynamics
- Materials including nanomaterials
- Energy harvesting materials
- Carbon nanostructures
- Polymers and soft matter
- Surfaces and interfaces
- Atoms, molecules and clusters
- Molecular collisions and scattering theory
- Reaction mechanisms and non-linear dynamics
- Imaging techniques and applications
- Molecular simulation methods and their applications
- Recent developments in chemical physics

### Important Dates:

**Registration and Abstract Submission**

**Begins** : 21/12/2016

**Ends** : 28/02/2017

**\*Early Bird Deadline** : 10/02/2017

**\*\*Regular Deadline** : 10/03/2017

**Acceptance of Abstracts** : 07/03/2017

### How to register

Registration form is available at  
<https://drive.google.com/file/d/0B3S2kz1WmcOeb1JQVENYelptSk0/view>  
Scanned copy of duly filled in registration form along with proof of registration fee payment should be sent to [nccp2017@gmail.com](mailto:nccp2017@gmail.com)

### Contact

All correspondence should be addressed to:  
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Convener, NCCP-2017  
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### SUPPORTED BY



## NEC

### About the University:

Assam University came into existence through Assam (Central) University Act, 1989 (Established under an Act of Parliament). It was established in 1994, since then the University is steadily becoming an excellent centre of learning. The campus, situated in Dargakona, about 20 kms from Silchar, is set amid sprawling hillocks, a typical landscape in the North East. The campus in an area of 600 acres surrounded by lakes and mountains provides an ideal environment for academic pursuit. Drawing its 300 plus faculty from many disciplines, from all over the country, the university sustains a multidisciplinary approach to higher education. The University has sixteen schools on major disciplines. There are forty one departments under these sixteen schools. More details can be found at: [www.aus.ac.in](http://www.aus.ac.in)



Assam University campus

### Silchar City :

Silchar, the Headquarter of the District of Cachar, is situated on the bank of Barak River and is about 343 km from Guwahati in the southernmost part of Assam. The District is bounded on the North by Barali and Jayantia hill ranges, on the South by the State Mizoram, on the East by the State of Manipur and West by sister districts Hailakandi and Karimganj of Assam. It is the second-largest city of the Assam in terms of population and municipal area.

### How to reach:

The City is well connected by Air, Rail and Road. There are daily direct flights from Kolkata and Guwahati to Silchar. Nearest airport is located at Kumbhigram about 22 kilometres from Silchar. Nearest and second nearest railways stations are Silchar and Badarpur Jn., respectively.

### Abstract Submission:

All the participants are requested to submit the abstract not exceeding 500 words. The abstract should be neatly typed in Times New Roman (12), single line spacing in one page. Title should be in Times New Roman (14) & bold letters, names of authors and affiliation should be in italics (10 pts). The filenames must be in the form "presenting author.pdf". The abstract should be submitted via Email to [nccp2017@gmail.com](mailto:nccp2017@gmail.com). Please mention preferred state of presentation i.e. oral/poster.

There will be three best poster presentation awards.

TA/DA and accommodation may be provided to limited participants on the basis of availability of funds.



Kachakanti Temple

Siddheswar Kapilasrama Temple

### Registration Fees:

Delegate Category	*Early Bird	**Regular	On-site
Faculty Members	1800	2200	3000
Research Scholars/Postdocs	1000	1200	1500
M. Sc. Students	200	250	300
Industry Delegate	2500	3500	4500
Accompanying persons	1000	1200	1500

Registration fee may be paid via multicity cheque/demand draft/electronic (RTGS/NEFT) transfer. The cheque/demand draft should be issued in favour of NCCP-2017 and payable at Silchar. Details for electronic transfer: A/C Name & No.: NCCP-2017 & 36314062716, Bank & Branch: State Bank of India & Dorgakona, Assam University Branch, IFSC Code: SBIN0014260, MICR Code: 788002522