

## 10<sup>th</sup> National Conference

on

### Solid State Chemistry and Allied Areas (ISCAS 2017)

1<sup>st</sup> to 3<sup>rd</sup> July, 2017

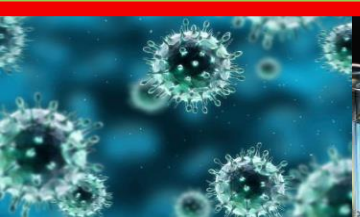
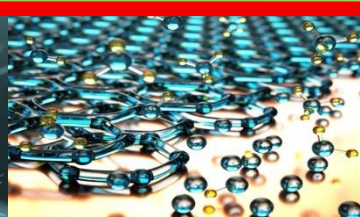
**Organized by**

Department of Applied Physics  
Delhi Technological University  
(Formerly Delhi College of Engineering)

**In association with**

Indian Association of Solid State  
Chemists and Allied Scientists

**Venue: Dr. B. R. Ambedkar Auditorium**  
Delhi Technological University, Shahbad Daultpur,  
Main Bawana Road, Delhi-110042. India  
Website: [www.ncsscaa2017.com](http://www.ncsscaa2017.com), [iscas2k17@gmail.com](mailto:iscas2k17@gmail.com)





## OBJECTIVE AND SCOPE

Solid State Chemistry is a backbone of Materials Science. Research on advanced materials makes a strong connection between different fields in basic science, engineering and medical science. This conference will cover a wide range of interdisciplinary topics on various aspects of solid state chemistry and advanced materials. Materials technology will produce products, components, and system that are smaller, smarter, multifunctional, environmentally compatible, more survivable and customizable. These products will not only contribute to the growing revolutions of information technology and biology but will have additional effects on manufacturing logistics and personal lifestyles. Recent progress in nanotechnology has opened up door to the production of much cheaper and more efficient solar cells for the production of green energy. The conference aims to bring together solid state chemists, physicists and material scientists from industry, universities and research institutes to discuss modern academic and industrial aspects of various fields of development in these areas. This will provide a forum for researchers and educationists to exchange state-of-the-art research and development and identify research needs and opportunities in these emerging fields:

**Nanomaterials, Carbon materials, Composites, 2-D materials, Chalcogenides, Superconductor, Energy Storage Materials, Nuclear Materials, Cementitious Materials, Glass and Ceramic Materials, Photovoltaics, Sensors, Optical Materials, Electrical Materials, Electronic Materials, Multi Ferroics Materials, Conducting Polymers, Polymer Electrolytes, Biodegradable Polymers, Bio-plastics, Active Packaging Materials, Liquid crystals, Catalysts, Engineering and Biomaterials, Modeling and Molecular Simulations.**

## PROGRAMME

The conference will consist of a keynote address, plenary lectures, invited lectures, oral and poster presentations and general body meeting of ISCAS.

### Tentative Invited speakers:

**Prof. K.J. Rao**, I.I.Sc., Bangalore

**Prof. J. Gopalakrishnan**, I.I.Sc., Bangalore

**Prof. Rameshwar Adhikari**, Nepal

**Prof. V.D. Vanker**, IIT, Delhi

**Prof. Pankaj Srivastava**, IIT Delhi

**Dr. Sanjeev Kumar**, RGU, Arunchal Pardesh

**Prof. P.V. Satyam**, IOP, Bhubaneswar

**Prof. D.K. Avasthi**, Amity University, Noida

**Prof. N.S. Gajbhiye**, IIT, Kanpur

**Dr. R.K. Kotnala**, NPL, Delhi

**Prof. T. Yamase**, Japan

**Prof. Dhananjay Pandey**, IIT, B.H.U, Varanasi

**Prof. U.V. Varadaraju**, IIT, Madras

**Prof. Penny P. Govender**, South Africa

**Dr. R.K. Sharma**, SSPL, Delhi

**Prof. B.R. Mehta**, IIT Delhi

**Dr. D.N. Gupta**, University of Delhi

**Prof. Avinash Khare**, University of Delhi

**Prof. R.S. Gupta**, University of Delhi

**Dr. R.B. Sharma**, DRDO, Delhi

**Prof. Suresh K. Aggarwal**, BARC, Mumbai

**Prof. S.P. Krupanidhi**, IISc, Bangalore

**Prof. Vinay Gupta**, University of Delhi

**Dr. Tokeer Ahmad**, JMI, Delhi.

**Dr. R. Nagrajan**, University of Delhi

**Prof. R.P. Tandon**, Delhi University

**Prof. Y. Shimizu**, Japan

**Prof. H. Kobiyashi**, NIMs Japan

**Prof. Y. Singh**, BHU, Varanasi

**Prof. O.P. Bahal**, NPL, New Delhi

**Prof. Ghanshyam Chauhan**, Shimla University

**Prof. R.K. Sinha**, CSIO Chandigarh

**Prof. R. Vijayraghavan**, VIT, Vellur

**Prof. T.P. Sinha**, Bose Institute, Kolkata

**Prof. Md. Abu Bin Hasan Susan**, Bangladesh

**Dr. D.K. Mahato**, Dept. of Physics, NIT, Patna

**Dr. S. Rai**, Dr.H.S.Gour University, Sagar

**Prof. T. Som**, IOP, Bhubaneswar

**Dr. Krishnacharya**, IIT, Kanpur

### Delhi Technological University (DTU):

DTU is a technical institute of excellence in research and higher education in engineering as well as specialized areas of applied sciences. DTU, formerly known as Delhi College of Engineering (DCE), is a premier government university located in New Delhi, India. It is one of the oldest engineering colleges in India and Delhi's first Engineering College. It was established in 1941 as Delhi Polytechnic and was under the control of the Government of Delhi India. The college has been under the government of the National Capital Territory of Delhi since 1963 and was affiliated with the University of Delhi from 1952 to 2009. In 2009, the college was given state university status, thus changing its name to Delhi Technological University. University provides comprehensive opportunities to its faculties to explore and attain the zenith of success in their respective fields. The main objective of the university is to make strong academia-industry interface.



**Patron:** Prof. Yogesh Singh, Vice- chancellor, DTU  
**Co – Patron:** Prof. M.Swaminathan, President, ISCAS  
**Chairman:** Prof. S. C. Sharma, HOD Applied Physics, DTU  
**Convener Conference:** Dr. Pawan Kumar Tyagi, DTU  
**Co-Conveners Conference :** Dr. Rinku Sharma & Dr. Nitin K Puri  
**Secretary Conference:** Dr. Amrish K Panwar  
**Treasurer:** Dr. Ajeet Kumar



## ADVISORY COMMITTEE

Prof. R. P. Rastogi, Former VC, BHU, Varanasi  
Prof. A. K. Ganguli, INST, Mohali  
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Prof. Godwin Onu, Nigeria  
Prof. S. Ray, IIT Mandi

Dr. Sulekha Batra, ISCAS Institute, Jammu  
Prof. S K Garg, DTU  
Prof. Anu Singh Lather, DTU  
Dr. A. P. Mishra, DST, India  
Prof. Narsingh B. Singh, Battimore, USA  
Prof. B.Bhattacharya, Sharda University, G.Noida  
Dr. P. C. Kalsi, BARC, Mumbai  
Prof. S. N. Tiwari, DDU Gorakhpur University  
Prof. Lakshami, DDU Gorakhpur University  
Prof. S.K. Srivastava, NEHU, Shilong.  
Dr. N.L. Mishra, BARC, Mumbai  
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Dr. Archana Pandey, H.S. Gour University, Sagar  
Dr. Ramesh Gupta, ISCAS Institute, Jammu  
Dr. Veer Singh, ISCAS Institute, Jammu  
Prof. R.P. Sharma, Panjab University



## ORGANIZING COMMITTEE

Dr. A.S. Rao	Ms. Renuka Bokolia
Mr. Vinod Singh	Dr. Saurabh Srivastava
Dr. Rishu Chaujar	Dr. Ram Singh
Dr. M.S. Mehata	Dr. Roli Purwar
Dr. Yogita Kalra	Dr. Richa Srivastava
Dr. M. Jayasimhadri	Dr. S. G. Warkar
Dr. Neha Tyagi	Dr. D Santhiya
Dr. Kamal Kishor	Dr. Raminder Kaur
Dr. Bharti Singh	Dr. Anil Kumar
Dr. Richa Sharma	Dr. Meha Joshi
Dr. Sarita Baghel	Dr. Navneeta Bhardwaj
Mr. Yogendra K. Meena	Dr. Asmita Das
Mr. Deshraj Meena	Dr. Mukhtiyar Singh

## PREVIOUS ISCAS CONFERENCES

1. Jammu University
2. IIT, Kanpur
3. IIT, Delhi
4. Goa University
5. Nagpur University
6. VIT University, Vellore
7. Jamia Millia Islamia University, New Delhi
8. Dr. Hari Singh Gaur University, Sagar
9. University of Delhi, Delhi
10. DTU (proposed).

### **Indian Association of Solid State Chemists and Allied Scientists (ISCAS):**

**Indian Association of Solid State Chemists and Allied Scientists (ISCAS)** is a registered society, working since 1998 for advancement of solid state chemistry and allied areas. Its objectives include promotion of interaction amongst the practitioners of this field by regularly organizing seminars, symposia and workshops in different parts of the country. The Institute of Solid State and Material Science at Jammu University campus, Jammu, has been established by ISCAS to provide facilities for research and teaching in solid state chemistry.



## ADDRESS FOR CORRESPONDENCE

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Convener

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## ABSTRACT SUBMISSION/CALL FOR PAPERS

Participants are invited to submit abstracts for oral/ poster presentations not exceeding 250 words. The abstract should be typed in Times New Roman. The title should be in font size 14, name, affiliation and email address in 10 and the text in 11. The abstract should be submitted preferably by e-mail to Conference Convener, Dr. Pawan K. Tyagi (email: [iscas2k17@gmail.com](mailto:iscas2k17@gmail.com), [pawankumartyagi@gmail.com](mailto:pawankumartyagi@gmail.com)) and copy to Secretary, ISCAS ([iscas@rediffmail.com](mailto:iscas@rediffmail.com)) and Prof. N. B Singh (email: [nbsingh43@gmail.com](mailto:nbsingh43@gmail.com)) and on or before due date. The conference committee proposes to publish the selected papers after peer review in Materials Today Proceedings (Elsevier), Emerging Materials Research (ICE), Advanced Material Letters (VBRI) after conference.

## AWARDS

ISCAS awards (gold, silver, bronze medals, besides three endowment medals) shall be presented in the conference. Besides this, three best posters presented by students shall also be awarded.

## ACCOMMODATION

Suitable accommodation will be provided to the registered delegates (Guest house/Hostels). Those who are interested in staying in good hotels may contact the convener. A list of hotels in nearby area will be provided on request.

## GENERAL BODY MEETING OF ISCAS

The General Body Meeting of ISCAS shall be held on July 1<sup>st</sup>, 2017 at 5.30 PM in the Department of Applied Physics, Delhi Technological University, New Delhi. All the Members are invited.

## IMPORTANT DATES

Submission of Abstract	15-04-2017
Acceptance of Abstract	25-04-2017
Submission of Full Paper	15-05-2017
Submission of registration fee	1-06-2017

## REGISTRATION FEES

### Category

Students

INR 3000.00 (Rs 2000.00\*)

Academia

INR 4000.00 (Rs. 3000.00\*)

Industry Delegates

INR 5000.00 (Rs. 4500.00\*)

Foreign Delegates

USD 300.00 (USD 250.00\*)

Accompanying Persons

INR 1500.00

\*For Life members of ISCAS

Note: A late fee of Rs. 500 (USD 50.00 for International delegate) will be charged for securing registration after 1<sup>st</sup> June, 2017. The Registration fees include conference material, breakfast, lunch and dinner for the conference days. The fees must be sent to **Dr. Pawan K. Tyagi** by DD drawn in favour of **Registrar, DTU** payable at New Delhi, before the due date to ensure confirmed registration.

(\*List of Life Members shall be provided by the Office of ISCAS)