

# NINTH NATIONAL CONFERENCE ON SOLID STATE IONICS (NCSSI-9)

15-17 December, 2011

Organized by



DEPARTMENT OF PHYSICS AND MATERIALS  
SCIENCE AND ENGINEERING

JAYPEE INSTITUTE OF INFORMATION  
TECHNOLOGY, NOIDA

In association with



INDIAN SOLID STATE IONICS SOCIETY

Venue

Jaypee Institute of  
Information Technology, Noida

## About The Conference

The National Conference on Solid State Ionics is held every two years under the auspices of Indian Solid State Ionics Society. The conference provides a forum to scientists and engineers to discuss fundamentals, innovations and applications in the area of ion transport in solids and promotes collaborations and cooperation among the workers on national level.

Ion conducting solids have received worldwide attention primarily because of their potential applications in the devices considered as alternate energy resources. There have been intense efforts to exploit these solids for development of stationary and mobile power sources, power storage devices like Fuel cells, Batteries, Supercapacitors etc. This conference offers an opportunity to the workers in this area to exchange new ideas and present their latest results.

## Scope

The conference aims at discussing the theoretical and experimental studies on Solid State Ionic Materials and Devices covering the following broad areas:

- Ion conducting crystalline solids
- Ion conducting glasses
- Ion conducting polymers
- Ion conducting gels
- Electrochemical devices (Energy conversion/ storage devices, sensors, display devices etc.)

## Presentation

NCSSI-9 will include:

- Plenary lectures
- Invited talks
- Contributory presentations
  - Oral
  - Poster (Max size: 90 cm x 120 cm)

## Conference Venue

Jaypee Institute of Information Technology, A-10, Sector-62, Noida-201307, U. P.

## About The Organizers

**Jaypee Institute of Information Technology (JIIT), Noida** was brought into existence in 2001 by Jaiprakash Sewa Sansthan (JSS) a “not for profit” trust and is fully backed and supported by Jaypee Group of Companies. MHRD accorded the status of “Deemed to be University” to the Institute in November, 2004. The institute runs several academic programs at undergraduate, postgraduate and doctoral levels and has successfully emerged as a sought after institute of IT in its small life span. Department of Physics and Materials Science and Engineering is actively involved in teaching and research and runs M. Tech. program in Materials Science and Engineering and PhD programs in Physics, and Materials Science. The Institute is located in Noida, which is a hub of academic institutions, research institutions, and IT industries. This planned city with modern amenities is in National Capital Region (NCR) adjoining Delhi.

**Indian Solid State Ionics Society (ISSIS)** formed in the year 1992 at Banaras Hindu University, Varanasi is a registered society which supports the organization of the National Conference on Solid State Ionics every two years in different part of the country. Over a period of about 18 years of its existence, it has successfully promoted research and provided a sound platform for interaction among the people working in the area of Solid State Ionics.

## Conference Proceedings

An abstract book of the accepted abstracts will be prepared and provided to the participants attending the conference. Full papers (those actually presented in the conference) would be published in a regular journal (to be decided later). Length of the abstract should be maximum one page A-4 size including figures/ tables/ equations/ references. Other details of the format for preparing the abstracts and full papers may be downloaded from the conference website.

## Accommodation

Subject to availability, accommodation may be provided on request at hostel/ guest house in the Institute's campus. Accommodation off campus in the hotels may be made available on payment basis. Request for accommodation should be sent in advance for booking confirmation.

## Travel Information

JIIT, Noida is about 35 Km from Indira Gandhi international airport, New Delhi, and about 20 Km from New Delhi/ Delhi railway station and inter-state bus terminal Delhi.

### Registration Fee

Faculty/ Scientists	Rs. 2000/-
Research students	Rs. 1000/-
Industrial representatives	Rs. 3000/-
Accompanying person	Rs. 1000/-

Registration fee includes all meals at the conference venue during conference days, registration materials, and abstract book. Fee should be paid through Demand Draft in favor of **“Jaypee Institute of Information Technology”** payable at Noida.

Subject to availability of funds some financial support can be provided to research students. Application in this regard must be accompanied with recommendation of supervisor.

### Important Deadlines

Pre-registration cum accommodation form	September 01, 2011
Abstract submission	September 15, 2011
Acceptance to be sent	October 01, 2011
Full paper	On or before December 15, 2011

The guidelines for abstract submission, registration and accommodation forms may be downloaded from the conference website.

### General Correspondence

The completed registration form, abstract and other communications should be sent to:

**Prof. D. K. Rai**

Convener, NCSSI-9

Department of Physics and Materials Science and Engineering

Jaypee Institute of Information Technology  
A-10, Sector-62, Noida-201 307, (U. P.)

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e-mail: [ncssi-9@jiit.ac.in](mailto:ncssi-9@jiit.ac.in), [dk.raij@jiit.ac.in](mailto:dk.raij@jiit.ac.in)  
Conference website: [www.jiit.ac.in/jiit/ncssi-9](http://www.jiit.ac.in/jiit/ncssi-9)

### Chief Patron

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Founder Chairman, Jaypee Group

### Patron

Sh. Manoj Gaur  
Executive Chairman, Jaypee Group

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COO, Jaypee Education System  
J. P. Gupta  
Vice-Chancellor  
Jaypee Institute of Information Technology, Noida

### Convener

D. K. Rai  
Department of Physics and Materials Science and Engineering  
Jaypee Institute of Information Technology, Noida

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## REGISTRATION CUM ACCOMMODATION REQUEST FORM

(To reach before September 01, 2011)

### NINTH NATIONAL CONFERENCE ON SOLID STATE IONICS (NCSSI-9)

**December 15-17, 2011**

#### Department of Physics and Materials Science and Engineering

Jaypee Institute of Information Technology, Noida, U. P.

Name (Block Letters): \_\_\_\_\_ M/ F \_\_\_\_\_

Designation/ Profession/ Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tel.: (Off.) \_\_\_\_\_ (Resi.) \_\_\_\_\_

Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

Please strike out whichever is not applicable:

(a) I plan to attend alone/ with accompanying person(s).

(b) I plan to present a paper tentatively entitled: \_\_\_\_\_  
\_\_\_\_\_

(c) Accommodation required: \_\_\_\_\_ Yes/ No  
Type: \_\_\_\_\_ Hostel/ Hotel (single/ shared)

Registration fee enclosed for Rs. \_\_\_\_\_ vide demand draft (No. \_\_\_\_\_) in favor of “Jaypee Institute of Information Technology” payable at Noida.

Date: \_\_\_\_\_ Signature \_\_\_\_\_

(Photocopies of this form may also be used, if required)