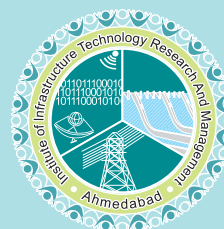


**National  
Conference on  
Advances in  
Spectroscopy:  
Molecules to  
Materials**

**4-6, October 2018**

**Organized by:**



**Department of Physics  
Institute of Infrastructure Technology  
Research and Management (IITRAM)**

(An Autonomous University established by Government of Gujarat)

Near Khokhra Circle, Maninagar (East),  
Ahmedabad, Gujarat, India - 380026  
Phone: 079-67775488 / 67775499 Fax: 079 67775475

<http://www.iitram.ac.in>



### About the Institute

Institute of Infrastructure Technology Research and Management (IITRAM) is an Autonomous University, established under Gujarat Act No. 5 of 2013. The Institute with its team of 45 Faculty members, state-of-the-art infrastructure and well-equipped laboratories is on the journey of the path of developing skilled engineers and researchers to shoulder the responsibility of infrastructure development of our nation. The Institute offers B.Tech. and M.Tech. programmes in civil, Electrical and Mechanical Engineering disciplines and PhD programmes in Physics, Chemistry, Mathematics, English, Economics, Sociology etc. as well as Civil, Mechanical, and Electrical engineering disciplines. The Institute has a special focus to become the foremost academic institution, through the pursuit of research excellence and the promotion of innovation, by offering a world-class education to train future leaders in science and technology and by applying science and technology breakthroughs for India's wealth creation and social welfare. Research and academic programs at IITRAM are driven by an outstanding faculty, many of whom are reputed for their research works.

### Ahmedabad City

Ahmedabad is the historical city situated in the heart of Gujarat. The city of Ahmedabad is endowed with a rich architectural heritage that is vital to the local identity and continuity of the place. The Ahmedabad city is listed the first city in India to be inscriptive in UNESCO's World Heritage City list of 2017. Once known as Manchester of India, nowadays Ahmedabad is famous as the biggest industrial capital of Gujarat. There are many places like Gandhi Ashram, Sabarmati riverfront, Kankariya lake, Sardar Patel National Memorial, Sarkhej Roza, AutoWorld Museum, temples like ISKCON Temple and so others attracts to visitor in Ahmedabad. The academic institutions like Indian Institute of Management, National Institute of Design, Physical Research Laboratory, CPET and Nirma University have made the city known as an educational hub in the country. Ahmedabad is connected with most of the metropolitan cities of the country by Air, Rail and Road. There are direct flights from Dubai, Muscat, Singapore, Sharjah, Doha, and London and from other important cities of India (Delhi, Mumbai, Bangalore, Pune, Calcutta, Hyderabad and Varanasi) to the Sardar Vallabhbai Patel International Airport, Ahmedabad.

### About the Conference

The National Conference on Advances in Spectroscopy: Molecules to Materials (NCASMM-2018) has been planned to be organized at the Institute of Infrastructure, Technology, Research and Management (IITRAM), Ahmedabad during 4-6 October 2018. This proposed conference will provide an excellent opportunity to academic scientists, researchers, delegates and students to interact and share their experience and knowledge which may further useful for technological applications. The NCASMM-2018 at IITRAM will be the nice platform where all the recent developments in the broad field of spectroscopy will be presented and discussed. The main objective of this conference is to enlighten the innovations and current trends of spectroscopy in the field of molecules and materials. The proposed conference aims to cover the multidimensional aspects of spectroscopy and intends to bring together the relevant experimentalists and theoreticians for critically discussions, debate, indulge in live interactions on issues concerning spectroscopy. All these issues would find a place in the keynote addresses by renowned speakers, paper presentations and open discussions.

### About the Department

The Physics department of IITRAM is engaged in research and teaching at the frontier areas of experimental and theoretical sciences. These include atomic and molecular physics, condensed matter physics, theoretical quantum computation and nonlinear dynamics. In the department, the DST-SERB project is running under which a best-in-class computational, as well as experimental lab, is established and many more are in progress. Excellence in research and teaching has been the hallmark of our Department ever since its inception. The department offers PhD programme in various disciplines of physics.

## Who can attend?

This conference is open to Academician, Scientists, Engineers, Industrialist and Researchers.

## Important Topics

- Infrared Spectroscopy
- Linear and Non-Linear Raman Spectroscopy
- Time Domain Spectroscopy
- Laser and Terahertz Spectroscopy
- Fluorescence Spectroscopy
- NMR, EPR, XPS Spectroscopy
- Photonics and its Application
- Biomolecules
- Metal Complexes
- Interstellar Molecules
- Nanomaterials
- Molecular Recognition, Molecular Interactions and Self-assembly
- Molecular Materials and Material Engineering
- Nanocomposites and Chemo-Sensors
- Materials for Energy and Environment
- Polymers Materials
- Theoretical and Computational Methods

## Abstract Submission

All the participants are requested to submit the abstract not exceeding one page. The abstract should be neatly typed in Times New Roman (12), single line spacing in one page. The title should be in Times New Roman (14) & bold letters, names of authors\* and affiliation should be in italics (10 pts). The Participants must upload their abstract in word format with file name "presenting author .docx".

We request all authors to pursue the publication ethics.

\*(Presenting author's name should be underlined)

## Local Advisory / Organizing Committee

- Dr. Mahuya Bandyopadhyay, IITRAM
- Dr. Brajesh Tiwari, IITRAM
- Dr. Vikas Kumar Sharma, IITRAM
- Dr. Mohit Kumar, IITRAM
- Dr. Navneet Khanna, IITRAM
- Dr. Ajit Parwani, IITRAM
- Dr. Pramod Bhingole, IITRAM
- Dr. Yogesh Shah, IITRAM
- Dr. Vikash Pratap Singh, IITRAM
- Dr. Dipankar Deb, IITRAM
- Dr. Axay Mehta, IITRAM
- Dr. Meera Vasani, IITRAM
- Dr. Gautam Borisagar, IITRAM
- Dr. Varsha Singh, IITRAM

## Registration

Please register at our website <http://iitram.in/ncasmm> (By online). The registration fee includes conference kit, breakfast, lunch and dinner during the conference. Delegates are requested to register their names by sending complete Registration Form and paying fees electronically.

Abstract Submission & : <http://iitram.in/ncasmm>

Registration link

*If any difficulties found in an online transaction, please contact the convener.*

## Fee Structure

For Participants (Without accommodation)

Delegate Category	*Early Bird Registration	**Regular Registration	Onsite Registration
Faculty Members/ Postdocs	2500	3000	4500
Research Scholars	2000	2500	3000
Industry Delegate	4000	5000	6000

## Key Dates

Abstract Submission Open : 26/06/2018

Registration Opens : 26/06/2018

\*Early Bird Deadline : 25/07/2018

Notification of Acceptance : 10/08/2018

Abstract Submission & Registration link : <http://iitram.in/ncasmm>

## Awards

The prizes will be awarded to young investigators and students for outstanding presentations in both the oral (three) and poster (three) format.

- Prof. Rajib Bandyopadhyay, PDU
- Prof. V.K. Jain, Gujrat University
- Dr. Rajesh Kushwaha, PRL, Ahmedabad
- Dr. Sanjay Singh, Ahmedabad University
- Dr. Umesh Kumar, Gujarat Central University
- Dr. Sanjeev Gupta, St. Xavier College
- Dr. Utpal S. Joshi, Gujarat University
- Dr. P. Maity, Gujarat Forensic Science University
- Dr. Yogesh Sonvane, NIT Surat
- Dr. Pravin Jadhav, IITRAM
- Dr. Shukkoor T., IITRAM
- Dr. Manish Sharma., IITRAM
- Dr. Abhishek Rawat, IITRAM
- Dr. Kshitiz Bhargava, IITRAM

## Patrons:

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- **Dr. Shiva Prasad**  
Director General, IITRAM
- **Dr. A. U. Digaskar**  
Director, IITRAM
- **Dr. N. N. Bhuptani**  
Registrar, IITRAM

## Mentor:

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- **Prof. Shanti Prasanna**  
Dean, IITRAM

## Organizing Committee

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- **Convener: Dr. Dheeraj Kumar Singh**,  
Department of Physics, IITRAM, Ahmedabad  
E-mail: dheerajsingh@iitram.ac.in
- **Secretary: Dr. Sourav Das**  
Department of Chemistry, IITRAM, Ahmedabad  
E-mail: souravdas@iitram.ac.in

## Hospitality:

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- **Prof. Manisha Mehta**,  
OSD IITRAM, Ahmedabad
- **Vijay Parmar**  
Office Executive, IITRAM, Ahmedabad
- **Chetan Joshi**  
Lab. Assistant (Chemistry), IITRAM, Ahmedabad
- **Rohit Kumar**

## Managing Committee:

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- **Dr. Kumar Abhishek**
- **Mr. Deepak Pandey**
- **Ms. Paridhi Sanchora**
- **Ms. Pooja Shukla**
- **Ms. Divya Jadhav**
- **Mr. Pulkit Kumar**
- **Mr. Dhaval Makwana**
- **Mr. Chirag Rawat**
- **Mr. Kulbir Singh**

## Confirmed Key Note Speaker:

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- **Prof. O. N. Srivastava**, BHU, Varanasi
- **Prof. B. N. Jagtap**, IIT Bombay
- **Dr. Amitava Das**, Director, CSIR-CSCMRI Bhavnagar
- **Prof. Siva Umamathi** (Awaited), IISc Bangalore
- **Prof. E. Arunan**, IISc Bangalore
- **Prof. S. P. Rath**, IIT Kanpur
- **Prof. Amitava Patra**, IACS, Kolkata
- **Prof. Anunay Samanta**, University of Hyderabad
- **Prof. Anushree Roy**, IIT Kharagpur
- **Prof. Abhijit Das**, IACS, Kolkata

## National Advisory Committee

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- **Prof. O. N. Srivastava**, BHU, Varanasi
- **Prof. Kankan Bhattacharya**, IISER Bhopal
- **Prof. V. Chandrashekhara**, Director, TIFR Hyderabad
- **Prof. T. K. Chandrashekhara**, NISER, Odisha
- **Prof. Siva Umamathi**, IISc Bangalore
- **Dr. Amitava Das**, Director, CSIR-CSCMRI Bhavnagar
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- **Prof. Vijayamohan K. Pillai**, Director, CSIR-CERI
- **Prof. T. Pradeep**, IIT Madras
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- **Prof. Anushree Roy**, IIT Kharagpur
- **Prof. Abhijit Das**, IACS, Kolkata
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- **Prof. Sandip Ghosh**, TIFR Mumbai
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- **Prof. Prabhakar Singh**, IIT BHU Varanasi
- **Prof. Joydeep Ghosh**, IPR Gandhinagar
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- **Prof. Saptarishi Mukharjee**, IISER Bhopal
- **Prof. S. P. Rath**, IIT Kanpur
- **Prof. Anindya Dutta**, IIT Bombay
- **Dr. Ajay Singh**, BARC, Mumbai
- **Prof. Ramesh L. Gardas**, IIT Madras
- **Dr. B. Sivaraman**, Scientist, PRL Ahmedabad
- **Dr. Vasant Sathe**, Scientist, UGC-DAE, Indore
- **Prof. Prafull K. Jha**, MS University, Vadodara
- **Prof. Rupak Banerjee**, IIT Gandhinagar

- **Prof. S. B. Rai**, BHU Varanasi
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- **Prof. Prafull K. Jha**, MS University, Vadodara
- **Prof. Poonam Tandon**, Lucknow University

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## Contact:

*All correspondence should be addressed to:*

**Dr. Dheeraj Kumar Singh** Convener, NCASMM -2018  
Physics Department, IITRAM, Ahmedabad-380026 (INDIA)  
website: <http://iitram.ac.in/> Email: [conference@iitram.ac.in](mailto:conference@iitram.ac.in)