

## Call for Papers:

Authors may submit their full length paper as per the guide lines summarized below:

- The abstract should not exceed 200 words and should have at least 3 key words.
- Maximum Length of the paper should not exceed 6 pages.
- The paper should be typed as per the IEEE conference Format.
- The Paper in PDF formats should be emailed to:
  - irtst\_foe@nitsri.net (Faculty of Engineering)
  - irtst\_fos@nitsri.net (Faculty of Science)

⇒ **Note:** Efforts are being made to publish selected and presented papers in good journals.

## Important Dates:

Abstract Submission Deadline	29 <sup>th</sup> February 2016—Extended date 08/03/2016
Abstract Acceptance Notification	12 <sup>th</sup> March 2016
Camera Ready Paper (Full length)	18 <sup>th</sup> March 2016
Registration Deadline	15 <sup>th</sup> March 2016

Working Professionals	Students, Research Scholars	Accompanying Persons
Rs. 3000	Rs. 1000	Rs. 3000

Note: At least one author of the accepted papers has to register.

**Only presented papers will be peer-reviewed for possible publication in Elsevier procedia.**

**Note: Limited free single accommodation for registered scholars shall be available on first come first serve basis for 3 days**

## Climate:

The spring sets in the valley in the month of March. The average day temperature is around 21°C and night temperatures may be around 12°C. Participants are requested to get light woolen clothes with them.

## Accommodation:

Delegates requiring accommodation during conference are requested to fill in the accommodation details in the registration form available on the Institute website. Accommodation will be provided on first come first serve basis against payment basis.

## Contact Persons:

Mr. Mudasir Akbar Shah.  
Mr. Burhan Khurshid

# Conclave 2016

www.nitsri.net

## National Research Scholars' Conclave

on

Innovation and Recent Trends in Science and Technology  
(IRTST -2016)

*Invitation & Call for Papers*

(April 2-3, 2016)

Venue:

National Institute of Technology  
Srinagar, J&K



**Organized by**

**Research Scholars**

**National Institute of Technology  
Srinagar, J&K**

## About Institute:

The National Institute of Technology Srinagar, erstwhile Regional Engineering College Srinagar, was established in 1960 under the joint venture of Government of India and the State Government during the 2nd plan period. It was among the first 8 such Institutes which were set up in the Country. In 2003, the Institute was converted into National Institute of Technology and became an Institute of National importance by the Act of Parliament. The Institute offers 8 B.Tech programmes, 10 M.Tech. programmes, one MSc. Programme in Physics and MPhil Programmes. In addition, the Institute offers Ph.D. programmes in all the Departments. 150 fellowships per year have been sanctioned and at any given point of time there will be around 600 Research Scholars in the Institute in future. All the departments are equipped with sophisticated equipment and process of up gradation of laboratories is going on in full swing. The institute has got 4 centres including one Central Research Facility (CRF) Centre which is interdisciplinary in nature. Apart from these the Institute has got cells like entrepreneurship cell, III cell, Innovation cell, IPR cell and GRIDS etc. The Institute has also signed MOUs with various Institutes of National importance and some organizations like Maruti Suzuki etc.

In 2013, NIT Srinagar was awarded outstanding Engineering Institute (North) by Dainik Bhaskar and in 2014 by ABP group.

## About Research Scholars Conclave:

Interdisciplinary research is fashionable in academia right now. Nothing exists in isolation from the rest of the world and studying a subject in its wider context can often be more than enlightening. Many major breakthroughs in science take place at the boundaries or intersection of disciplines. While mono-disciplinary studies will continue to play an important role, the solution to many of today's complex problems must be addressed using a multi-disciplinary approach.

IRTST will focus on involving researchers from different academic disciplines to promote a shared vision and understanding to answer complex questions and address broader issues. The conclave will provide an opportunity to researchers from all over the Country to explore disciplinary and professional relations and discuss problems that are beyond the scope of a single discipline, thereby achieving unity of knowledge.

### Advisors:

Prof. (Dr.) Rajat Gupta  
Prof. (Dr.) M.F Wani  
Prof.(Dr.) Roohie Naaz Mir  
Prof.(Dr.) Kowser Majid

### Convener:

Mr. Mudasir Akbar Shah

### Co-Convener:

Mr. Burhan Khurshid

### Organizing Secretary:

Miss Farkhanda Ana

## Conference Theme:

### Innovation and Recent Trends in Science and Technology

## Sub Theme:

<b>Advances &amp; Innovations in Chemical Engineering</b>	⇒ Fibre Optics
⇒ Renewable Energy and Alternative Fuels	⇒ Computer Networks and Security
⇒ Sustainable Technologies for Energy and Environment in Process	⇒ High Speed VLSI Design/Low Power VLSI
<b>Advances &amp; Innovations in Civil Engineering</b>	<b>Advances &amp; Innovations in Mechanical Engineering</b>
⇒ Structural Engineering	⇒ Fluid Power
⇒ Highway and Transportation Engineering	⇒ Thermal Systems and Design
⇒ Hydraulics and Water Power Engineering	⇒ Micro and Nano Tribology
⇒ Earthquake Engineering	⇒ Manufacturing Technology
⇒ Surveying and Geo-Spatial Engineering	⇒ Numerical Models and Computational Methods
⇒ Geomatics, Geosciences, Remote Sensing, Geographical Information systems (GIS)	<b>Advances &amp; Innovations in Metallurgy and Material Science</b>
<b>Advances &amp; Innovations in Computer Science &amp; Information Technology</b>	⇒ Materials, Manufacturing and other related Issues
⇒ Adhoc Networks, Network security and Cryptography	<b>Advances &amp; Innovations in Chemistry</b>
⇒ Cloud computing, Big data, Data mining, IOT	⇒ Nano and Organo Bimolecular chemistry
⇒ Artificial intelligence, Computer Architecture	⇒ Environmental Chemistry
⇒ Reconfigurable computing	⇒ Analytical Chemistry
<b>Advances &amp; Innovations in Electrical Engineering</b>	<b>Advances &amp; Innovations in Mathematics</b>
⇒ Power Engineering & Power System Control	⇒ Function and Analysis theory
⇒ Power Electronics Application	<b>Advances &amp; Innovations in Physics</b>
⇒ Digital Control in Power Electronics	⇒ Nano-Technology and Energy Conversions
⇒ Energy Management & Energy Conservation	⇒ Thin Film
<b>Advances &amp; Innovations in Electronics &amp; Communication</b>	⇒ Dielectric Materials
⇒ Image processing	⇒ Super Conductivity
⇒ Microelectronics	⇒ Nuclear Structures at Extremes of Spin and Iso-spin
⇒ Analog and Digital Communication	<b>Innovations in Management</b>
	⇒ Service Innovation
	⇒ Social Network and Innovation

### Joint Secretary:

Miss. Lubna Wali

### Organizing Committee:

Mr. Mudasir Akbar Shah  
Mr. Burhan Khurshid  
Mr. Sheikh Jehangir Ahmad

Mr. Junaid Hassan Masoodi

Mr. Nasir Ahmad Rather

Mr. Mohammad Rafi

Miss. Shafaq Ashraf Lone

Miss. Lubna Wali

Mr. Masood-ur-Rahman