

PATRON

Prof. Rakesh Sehgal
Director
NIT Srinagar

CHAIRMAN

Prof. Ajaz Hussain Mir
Professor (HAG) & HOD,
Electronics & Communication Engineering

CONVENER

Dr. Ghulam Rasool Begh
Associate Professor,
Electronics & Communication Engineering
✉ grbegh@nitsri.net

COORDINATOR

Dr. Shahid Mehraj Shah
Assistant Professor,
Electronics & Communication Engineering
✉ shahidshah@nitsri.net
☎ +91-7889519497

ELIGIBILITY

The programme is open to Industry personnel, engineering Faculties, Research Scholars and UG/PG students.

(Limited Seats on First-Come-First-Serve basis)

E-Certificate will be provided to all 'Registered and Attended' Participants.

ONLINE ONE WEEK SHORT TERM COURSE ON AI INSPIRED 6G COMMUNICATION TECHNOLOGY



SEPTEMBER 16 - 20, 2020

SPONSORED BY TEQIP-III

ORGANIZED BY

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR

HAZRATBAL, SRINAGAR, JAMMU & KASHMIR, INDIA

(AN INSTITUTE OF NATIONAL IMPORTANCE UNDER MINISTRY OF HRD, GOVT. OF INDIA)



<https://www.nitsri.ac.in/>

ABOUT THE PROGRAMME

The objective of the programme is to provide strong theoretical background along with practical experience in the field of Artificial Intelligence aided 6G wireless Communication. In the programme, leaders in the field will describe state-of-the-art research in applying the AI based techniques in the context of tomorrow's most important wireless applications, ranging from next-generation cellular telephony and personal communication services, to nomadic computing and wireless multimedia.

The programme will expose participants with the newer dimensions of the area with their practical approaches to tackle the real life problems in engineering and technology and other related disciplines.

HOW TO APPLY?

The interesting participants can fill the registration form using:

<https://forms.gle/ZvRc2e6M6Lg66PL77>

QR Code for
Registration:



Last date of registration: **12 September, 2020**

The shortlisted participants will be intimated via e-mail to pay the registration fee as per the following details:

Registration Fee:

For Research Scholars: **Rs. 300/-**

For Faculty: **Rs. 500/-**

For Industry Personnel: **Rs. 700/-**

The fee can be submitted via **NET-BANKING** or **MOBILE BANKING APP**:

A/C Name: **TEQIP III**

A/C No.: **0391040100011025**

IFSC Code: **JAKAORECSGR** (0 = Zero)

Bank Name: **J&K Bank**

Bank Branch: **REC Srinagar**

For further details, please visit:

<https://sites.google.com/view/6g-workshop>

RESOURCE PERSONS & SESSION TOPICS

• Prof. Mohamed-Slim Alouini

Professor, King Abdullah University of Science and Technology (KAUST), Kingdom of Saudi Arabia.

(Ph.D. from Caltech, Pasadena, United States)

Session Topic:

1. What should 6G be?
2. High speed underwater wireless communications



• Prof. A. Chockalingam

Professor, Department of ECE, Indian Institute of Science, Bangalore.

(Ph.D. from IISc Bangalore)

Post Doc. from University of California, San Diego, U.S.A)

Session Topic:

Deep Learning for Wireless Communication

• Prof. Mohammed Zafar Ali Khan

Professor, Department of Electrical Engineering, Indian Institute of Technology, Hyderabad.

(Ph.D. from IISc Bangalore)

Session Topic:

Coding for 6G Communication systems

• Dr. Faheem Khan

Senior Lecturer, School of Computing & Engineering, University of Huddersfield, UK.

(Ph.D. from Queen's University Belfast)

Session Topic:

1. Dynamic spectrum sharing in beyond 5G networks.
2. Multiple Access for next generation communication system



• Dr. Satya Kumar Vankayala

Research Scientist, Samsung Research Institute, Bangalore

(Ph.D. from IISc Bangalore)

Session Topic:

Machine learning based algorithms for 5G/6G open radio access network systems



ABOUT THE INSTITUTE

National Institute of Technology, Srinagar is one of the premier Educational Institutes in the Northern Regions of the country. It was established in 1960 and has been one of the eighteen Regional Engineering Colleges sponsored by the Govt. of India during the 2nd Plan. The Institute acquired the status of National Institute of Technology with deemed to be University status during August, 2003 and attained full autonomy in its Academics. The Institute is situated at the banks of world-famous Dal Lake, with the far-famed Hazratbal Shrine on other side of the campus. NIT Srinagar is a residential Institute with accommodation facility in Hostels and Staff-Quarters. There are four Boys and one Girls hostel which swallows about 1500 boys and 200 girls. Besides running the B.Tech Programme the Institute also offers M.Tech programme in many streams. In addition to that a large number of students are registered for Ph.D Programmes. The Institution has an Industry Interaction cell which was established in 1989 with the aim to remain at the fore-front on the Scientific and Technological development and to share its experience with industries in utilizing man-power and other resources available at the institute effectively with the assistance of the participating industries.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in 1984 and offers B.Tech Degree in Electronics and Communication Engineering, M.Tech Degree in (1) Microelectronics (ME) and (2) Communication and Information Technology (CIT). It aims to produce quality professionals in this field to compete globally and excel by carrying out basic and applied research in emerging areas by forging strong industry-institute interaction. The Department also offers the Doctoral programmes in the field of Biometrics, Communication, Microelectronics, Signal/Image Processing, Machine learning, network security and VLSI Design. The department is equipped with contemporary laboratory equipments required for the excellent growth of students. The department has state of art labs including VLSI Lab, Optical fiber communication Lab, Image Processing Lab, Information and Network Security Lab, Biometric Lab and machine learning Lab. Prof. Ajaz Hussain Mir is the Present Head of Department. The real strength of the department lies in its qualified, dedicated and motivated faculty.