



Department of Avionics,  
Indian Institute of Space Science  
and Technology, Trivandrum



Department of Electronics &  
Communication Engineering,  
Government Engineering College,  
Bartonhill, Trivandrum

# TRIVANDRUM SCHOOL ON COMMUNICATION, CODING AND NETWORKING

January 27 - 30, 2017



The school includes a series of lectures on topics in communication, coding and networking. It first covers the mathematical background on linear algebra, probability, hypothesis testing, and random processes, and then develops the necessary basics on communication, error-control coding and networking. Finally, a few cutting-edge research problems, along with the common techniques adopted in understanding and solving such problems, will be presented. The research problems presented will be related to network control, complex networks, index codes, codes with locality, and lattice coding.

## Who Can Apply

The course is primarily intended for faculty members from departments of electrical, electronics and communication engineering. Faculty members from other departments who have necessary subject-background and share interest in these areas can as well apply. We encourage Ph. D. and Masters students to apply as they will be considered if there is availability of vacancies.

## How To Apply

Please email a document with your name, affiliation, email address, phone number and a statement of purpose (400 words) for attending the course. You can as well list your publications, and other professional activities to support your application. The email with attached document shall be sent to **trisccon@gmail.com** on or before 16th Jan 2017. Decision of the organizing committee on selection of candidates will be final. Accommodation will be provided on request.

## Important dates

Deadline: Application via email: **20th Jan 2017**  
Notification to applicants: **22nd Jan 2017**

## Sponsorship

Sponsored by TEQIP Phase II in Govt. Engg. College Bartonhill as a Faculty Development Programme with an aim to promote research activities.

## Registration Fees

TEQIP-granted institutions: Rs. 2000  
Self-financing institutions: Rs. 2000  
Industry: Rs. 1000  
Other Govt./Govt. Aided Institutions: No fees

## Speakers

### Communication

**Dr. Lakshmi Prasad Natarajan, IIT Hyd.**

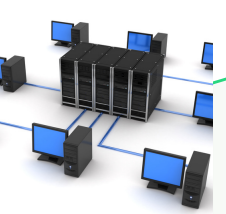
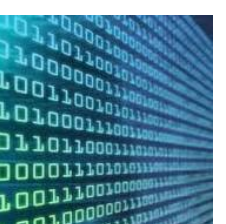
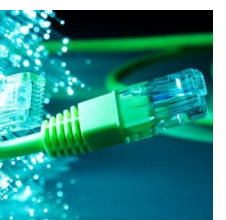
### Coding

**Dr. Lalitha Vadlamani, IIT Hyd.**  
**Dr. Prasad Krishnan, IIT Hyd.**

### Networking

**Dr. B. S. Manoj, IIST**  
**Dr. K. P. Naveen, IIT Madras**

TEQIP



## Organizing Committee:

Prof. B. S. Manoj, (Head of Dept.), Prof. Vineeth B. S. (Mob. +91-8943215473) IIST,  
Prof. V. Suresh Babu, (Head of Dept.), Prof. Birenjith P. S. (Mob. +91-8762728794), GECBH.

More updates at <https://trisccon.github.io/index.html>