

# IEEE Kolkata Section Presents Sir CV Raman Milestone Lecture on

## “Channel Capacity of Asymmetric Constellations in Rayleigh Fading with Non-coherent and Coherent Detection”



### Speaker:

**Dr. Ranjan K. Mallik**

Institute Chair Professor  
and

J. C. Bose Fellow

Dept. of Electrical Engineering  
Indian Institute of Technology Delhi  
India

**Date:** July 26, 2022

**Time:** 6:00 PM

**Venue:** A.C. Pavilion  
The Calcutta Club  
241, AJC Bose Road  
Kolkata-700020

### Author's Biography

Ranjan K. Mallik received the B.Tech. degree from IIT Kanpur and the M.S. and Ph.D. degrees from the University of Southern California, Los Angeles, all in electrical engineering. He has worked as a scientist in the Defense Electronics Research Laboratory, Hyderabad, India, and as a faculty member at IIT Kharagpur and IIT Guwahati. His research interests include diversity combining and channel modeling for wireless communications, space-time systems, cooperative communications, multiple-access systems, power line comm., molecular comm., difference equations, and linear algebra. He is a recipient of the Shanti Swarup Bhatnagar Prize, the Hari Om Ashram Prerit Dr. Vikram Sarabhai Research Award, the Khosla National Award, and the J. C. Bose Fellowship. He is a member of Eta Kappa Nu, and a fellow of IEEE, the Indian National Academies INAE, INSA, NASI, and IASc, TWAS, IET (U.K.), IETE (India), and The Institution of Engineers (India).

### Registration Link:

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