



IEEE CONTROL SYSTEMS SOCIETY DAY

Invited Lectures | 20th October, 2022



Lecture 1 | 2:30 - 3:30 pm IST
Title: Sixty Years of
Control Theory in Sixty
Minutes and Sixty Slides
Prof. M Vidyasagar
Fellow of IEEE, SERB National
Science Chair, Distinguished
Professor of Indian Institute of
Technology Hyderabad, India.



Lecture 2 | 4:00 - 5:00 pm IST

Title: Q-learning and it's

variants for the single and

multi agent settings

Prof. Shalabh Bhatnagar

Fellow of INSA and INAE, Professor in
the Department of Computer Science
and Automation, Indian Institute of
Science, Bangalore, India.



Lecture 3 | 6:30 - 7:30 pm IST
Title: Adaptive Gradient
Optimizer in Machine
Learning: A Control
Theoretic Perspective
Prof. Nikhil Chopra
Professor in the Department of
Mechanical Engineering, University
of Maryland, USA.



Network Systems

Prof. Francesco Bullo
Fellow of IEEE, Former IEEE CSS
President, Distinguished Professor in the Department of Mechanical
Engineering, University of California,
Santa Barbara, USA.

Lecture 4 | 7:30 - 8:30 pm IST

Title: Contraction Theory for

Mode: Hybrid (all lectures will be in online mode)

Register here (before 14th October) to receive further details on how to join (registration is free).

gradient algorithm
theory control contraction
processes neural state
systems convergence model generalization
network game adaptive
successive value
markov stochastic two-player
min-max adam minimax
relaxation computation biology

For any further queries, please contact:

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