



Short-Term Course through Virtual Mode on

“Journey from Semiconductor Physics to Smart Devices to Intelligent Automation”

From (1st May to 5th May, 2021)

Organized by **P. G. Department of Physics,**
National Institute of Technology Srinagar

In Collaboration with **Semiconductor Society of India**



Specially
for M. Sc.

For Registration
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PROGRAM SCHEDULE

INAUGURAL SESSION of Short-Term Course (Day 1)

01.05.2021 (Saturday) (10:30AM to 11:00 AM)	Brief about organizing STC on Semiconductors by Convener/Chair	Dr. M. A. Shah
	Well come Address by HOD Physics	Dr. P. A. Ganai
	Inaugural Address by Dean Research and Consultancy	Prof. G. A. Harmain
	Address by distinguished Professor and Former Director of NIT Srinagar	Prof. A. M. Wani
	Address by Chairman Semiconductor Society of India	Prof. R. K. Sharma
	Presidential Address by Director NIT Srinagar	Prof. R. Sehgal

SESSION – 1 & 2 Saturday (Day 1)

01.05.2021 (Saturday) (11:10AM to 12:00 PM)	Prof. K. L. Chopra , Former Director: IIT Kharagpur Title: Selected Thin Film Device Applications- An Overview.	
01.05.2021 (Saturday) (12:00AM to 01:00 PM)	Prof. J. Kumar , UGC-BSR Faculty Fellow, Anna University, Chennai Title: Review of Semiconductor crystals for technological applications.	

SESSION – 3 & 4 Sunday (Day 2)

02.05.2021 (Sunday) (11:00AM to 12:00PM)	Prof. K. B. Jinesh , IIST, Trivandrum Title: Brief Review on Semiconductor Physics	
02.05.2021 (Sunday) (12:00PM to 01:00PM)	Prof. Sajad Ah Lone , ECE, JMI New Delhi Title: Multifunctional Nano-electronic Devices: A way to keep Moore’s Law Alive.	

SESSION – 5 & 6 Monday (Day 3)

03.05.2021 (Monday) (11:00AM to 12:00PM)	Dr. Rajendra Singh , Secretary SSI, Chair Professor Physics, IIT Delhi Title: Electrical Analysis of semiconductor Materials and Devices.	
03.05.2021 (Monday) (12:00PM to 1:00PM)	Prof. Alope Kanjilal , dept. of Physics, Shiv Nadar University, New Delhi Title: Fundamentals and frontier applications of low dimensional semiconductors.	

SESSION – 7 & 8 Tuesday (Day 4)

04.05.2021 (Tuesday) (11:00AM to 12:00PM)	Prof. A. M. Wani , First Director NIT Srinagar Title: Introducing semiconductors and integrated chips in NIT Srinagar	
04.05.2021 (Tuesday) (12:00PM to 1:00PM)	Prof. R. K. Sharma , Chairman SSI, SSP Lab, New Delhi Title: Fundamentals of Semiconductor Crystal Growth and Epitaxy.	

Session 9 & 10 Wednesday (Day 5)

05.05.2021 (Wednesday) (11:00AM to 12:00PM)	Prof. Shenoy , dept. of Physics, IIT Delhi Title: Semiconductor Optoelectronic Devices	
05.05.2021 (Wednesday) (12:00AM to 1:00PM)	Prof. Chennupati Jagdish , AC, MNAE (Australian National University) Title: Semiconductor Nanowires: Optoelectronics, Energy and Neuroscience Applications.	

Peers & Patrons

 Dr. M. A. Shah Coordinator, P G Phy. NIT Srinagar, J&K.	 Dr. P. A. Ganai HoD, Physics NIT Srinagar, J&K.	 Prof. S. K. Bukhari Registrar, NIT Srinagar, J&K.	 Prof. G. A. Harmain Dean R & C NIT Srinagar, J&K.	 Prof. M. F. Wani TEQIP Coordinator NIT Srinagar, J&K.	 Prof. Rakesh Sehgal Director, NIT Srinagar, J&K.
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Hosts: Nikhilesh K. Dilwaliya (7838591359), Vikash Dahiya (8053111575), Surbhi Rajpoot, Sahreena Imtiyaz