



Online Summer School 2024 03-14 June 2024

Program Schedule

Day	Time Start	Length (min)	Code	Speaker	Topic
Monday, June 3, 2024	9:00 AM	60	V02	Dr. Srinivasan Raghavan	Opening Session: Why electronics matters
Monday, June 3, 2024	10:00 AM	30	M01	Dr. Sushobhan Avasthi	Overview from wafer to system
Monday, June 3, 2024	10:30 AM	90	M02	Dr. Sushobhan Avasthi	Cleanroom, Safety
Monday, June 3, 2024	12:00 PM	60	Lunch break		
Monday, June 3, 2024	1:00 PM	90	M03	Dr. Sushobhan Avasthi	Wafer, cleaning
Monday, June 3, 2024	2:30 PM	90	M04	Dr. Sushobhan Avasthi	Doping
Monday, June 3, 2024	4:00PM	60	R18	Dr. Vini Gautam	Individual faculty research talk
Monday, June 3, 2024	5:00 PM	30	EXX	None	30 min test
Tuesday, June 4, 2024	9:00 AM	90	M05	Dr. Dhavala Suri	Deposition
Tuesday, June 4, 2024	10:30 AM	90	M06	Dr. Shankar Kumar Selvaraja	Litho
Tuesday, June 4, 2024	12:00 PM	60	R06	Dr. Digbijoy Nath	Individual faculty research talk
Tuesday, June 4, 2024	1:00 PM	60	Lunch break		
Tuesday, June 4, 2024	2:00 PM	90	M07	Dr. Gayathri Pillai	Etch
Tuesday, June 4, 2024	3:30 PM	90	M08	Dr. Prosenjit Sen	Packaging
Tuesday, June 4, 2024	5:00PM	60	R13	Dr. Shankar Kumar Selvaraja	Individual faculty research talk
Tuesday, June 4, 2024	6:00 PM	30	EXX	None	30 min test
Wednesday, June 5, 2024	9:00 AM	120	S01	Dr. Akshay Singh	COMSOL CVD Reactor
Wednesday, June 5, 2024	11:00 AM	120	S06	Dr. Saurabh Chandorkar	Jump: Statistical Process Control
Wednesday, June 5, 2024	1:00 PM	60	Lunch break		
Wednesday, June 5, 2024	2:00 PM	90	C03	Dr. Srinivasan Raghavan	Materials (XRD or XPS)
Wednesday, June 5, 2024	3:30 PM	60	R05	Dr. Dhavala Suri	Individual faculty research talk



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Wednesday, June 5, 2024	4:30 PM	60	R10	Dr. Pavan Nukala	Individual faculty research talk
Wednesday, June 5, 2024	5:30 PM	30	EXX	None	30 min test
Thursday, June 6, 2024	9:00 AM	120	P01	Dr. Shankar Kumar Selvaraja	Advanced CMOS Integration
Thursday, June 6, 2024	11:00 AM	120	S07	Oves Mohamed Hussein Badami	TCAD: FINFET
Thursday, June 6, 2024	1:00 PM	60	Lunch break		
Thursday, June 6, 2024	2:00 PM	120	S08	Aashi Panchal	TCAD Process: S/D with RMG
Thursday, June 6, 2024	4:00 PM	60	R14	Dr. Sreetosh Goswami	Individual faculty research talk
Thursday, June 6, 2024	5:00 PM	60	R06	Naga Phani Aetukuri	Individual faculty research talk
Thursday, June 6, 2024	6:00 PM	30	EXX	None	30 min test
Friday, June 7, 2024	9:00 AM	60	R16	Dr. Srinivasan Raghavan	Individual faculty research talk
Friday, June 7, 2024	10:00 AM	120	S12	Aashi Panchal	TCAD Process: Damascene
Friday, June 7, 2024	12:00 PM	60	Lunch break		
Friday, June 7, 2024	1:00 PM	90	P03	Dr. Saurabh Chandorkar	Wafer-level MEMS Packaging
Friday, June 7, 2024	2:30 PM	60	R04	Dr. Chandan Kumar	Individual faculty research talk
Friday, June 7, 2024	3:30 PM	60	R08	Dr. Manoj Varma	Individual faculty research talk
Friday, June 7, 2024	4:30 PM	30	EXX	None	30 min test
Monday, June 10, 2024	9:00 AM	120	P02	Dr. Digbijoy Nath	RF HEMT Integration
Monday, June 10, 2024	11:00 AM	120	S05	Mahek Mehta	TCAD Device: Superjunction Diodes
Monday, June 10, 2024	1:00 PM	60	Lunch break		
Monday, June 10, 2024	2:00 PM	90	C01	Dr. Sreetosh Goswami	Electrical Characterization
Monday, June 10, 2024	3:30 PM	60	R01	Dr. Aditya Sadhanala	Individual faculty research talk
Monday, June 10, 2024	4:30 PM	60	R17	Dr. Sushobhan Avasthi	Individual faculty research talk
Monday, June 10, 2024	5:30 PM	30	EXX	None	30 min test
Tuesday, June 11, 2024	9:00 AM	120	C02	Dr. Pavan Nukala	Microscopy (SEM, TEM)
Tuesday, June 11, 2024	11:00 AM	120	S02	Dr. Saurabh Chandorkar	COMSOL MEMS Resonator



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Tuesday, June 11, 2024	1:00 PM	60	Lunch break		
Tuesday, June 11, 2024	2:00 PM	60	R07	Dr. Gayathri Pillai	Individual faculty research talk
Tuesday, June 11, 2024	3:00 PM	60	R12	Dr. Saurabh Chandorkar	Individual faculty research talk
Tuesday, June 11, 2024	4:00PM	60	R02	Dr. Akshay Naik	Individual faculty research talk
Tuesday, June 11, 2024	5:00PM	60	R11	Dr. Prosenjit Sen	Individual faculty research talk
Tuesday, June 11, 2024	6:00 PM	30	EXX	None	30 min test
Wednesday, June 12, 2024	9:00 AM	120	P04	Dr. Shankar Kumar Selvaraja	Photonics Integration
Wednesday, June 12, 2024	11:00 AM	120	S03	Dr. Shankar Kumar Selvaraja	EM Simulation: Waveguide
Wednesday, June 12, 2024	1:00 PM	60	Lunch break		
Wednesday, June 12, 2024	2:00 PM	90	C04	Dr. Ambarish/ Dr. Manoj	Optical (UV-Vis, Ellipsometry, FTIR)
Wednesday, June 12, 2024	3:30 PM	60	R15	Dr. Supradeepa V. R.	Individual faculty research talk
Wednesday, June 12, 2024	4:30 PM	60	R03	Dr. Ambarish Ghosh	Individual faculty research talk
Wednesday, June 12, 2024	5:30 PM	30	EXX	None	30 min test
Thursday, June 13, 2024	9:00 AM	120	S10	Dr. Prosenjit Sen	Altium 1
Thursday, June 13, 2024	11:00 AM	60	S11	Dr. Prosenjit Sen	Altium 2
Thursday, June 13, 2024	1:00 PM	60	Lunch break		
Thursday, June 13, 2024	2:00 PM	90	M10	Krishnan "Jinny" Shrinivasan	Equipment Design
Thursday, June 13, 2024	3:30 PM	60	M09	Sreekanth Varadrajana	Industry Perspective
Thursday, June 13, 2024	5:00 PM	30	EXX	None	30 min test
Friday, June 14, 2024	9:00 AM	120	S13	Dr. Prosenjit	Altium 3
Friday, June 14, 2024	11:00 AM	60	M11	Dr. Sushobhan Avasthi	Technological Development at CeNSE
Friday, June 14, 2024	12:30 PM	60	V01	Dr. Sushobhan Avasthi	Closing Presentation