

Mixed-Signal IC Design ON-LINE CLASS by MS TEAMS SEPTEMBER 5-16, 2022

WEEK 1	September 5-9]		
WEEK 2	September 12-16				
		Central European Time	Eastern Standard Time	Pacific Standard Time	India Standard Time
		CET (Lausanne)	EST (New York)	PST (California)	IST (India)
Lecture 1		4:00-5:30 pm	10:00-11:30 am	7:00-8:30 am	7:30-9:00 pm
Lecture 2		6:00-7:30 pm	12:00 am -1:30 pm	9:00-10:30 am	9:30-11:00 pm
WEEK 1	Lecture				
Monday, Sept. 5	1	The Analog-Digital Trade-off - The Impact of Technology Scaling			Jan Rabaey
	0	ULP Mixed-Signal Design for IoT and Weareable Devices - Sensing and Data			Jan Rabaey
	2	III P Mixed Signal Design for IoT and Weareable Devices Communication			
Tuesday, Sept. 6	1	and Computation			Jan Rabaey
	2	ULP Mixed-Signal Design for IoT and Weareable Devices - Energy Harvesting, Storage and Conversion			Jan Rabaey
Thursday, Sept. 8	1&2	Digital Calibration of Analog Front-Ends and Analog-to-Information Conversion			Marian Verhelst
Friday, Sept. 9	1&2	Noise Coupling in Mixed-Mode ICs: Mechanisms, Simulation, Measurement			Tim Schmerbeck
WEEK 2	Lecture				
Monday, Sept. 12	1	Noise Coupling in Mixed-Mode ICs: Design Strategy/Hardware Example			Tim Schmerbeck
	2	Design for (ESD) Robustness in Silicon ICs			Tim Schmerbeck
Tuesday, Sept. 13	1&2	Modeling and Simulation, Design Methodology			Pavan Hanumolu
Wednesday, Sept. 14	1	Offset and CMRR: Random and Systematic			Willy Sansen
	2	Fully-Differential Amplifiers			Willy Sansen
Thursday, Sept. 15	1	Interference Effects and PSRR			Michiel Steyaert
	2	Circuit Design for EMC			Michiel Steyaert
Friday, Sept. 16	1	Practical Techniques of Frequency Compensation			Vadim Ivanov