Power Management

ON-LINE CLASS by MS TEAMS

September 27 - October 8, 2021

WEEK 1	**SEP 27 - OCT 1**
WEEK 2	**OCT 4 - 8**

DAILY	Central European Time	Eastern Standard Time	Pacific Standard Time	India Standard Time
	CET (Lausanne)	**EST (New York)**	**PST (California)**	**IST (India)**
Module 1	3:00-4:30 pm	9:00-10:30 am	6:00-7:30 am	7:30-9:00 pm
Module 2	5:00-6:30 pm	11:00 -12:30 pm	8:00-9:30 am	9:30-11:00pm

WEEK 1	Module		
Monday, Sept 27	1	Fundamentals of SC Converters and Topologies	Filip Tavernier
	2	Analysis and Modeling of SC Converters	Filip Tavernier
Tuesday, Sept 28	1	Interference and PSRR	Michiel Steyaert
	2	Bandgap Voltage References	Willy Sansen
Wednesday, Sept 29	1	Power Stages	Bernhard Wicht
	2	Gate Drivers and Protection	Bernhard Wicht
Thursday, Sept 30	1	GaN Drivers and Circuit Design	Bernhard Wicht
	2	Charge Pumps	Bernhard Wicht
Friday, Oct 1	1	Fundamentals of Inductive DC-DC Converters	Bernhard Wicht
	2	Hybrid Converters	Bernhard Wicht

WEEK 2	Module		
Monday, Oct 4	1	Fundamentals of Linear Regulators	Pavan Hanumolu
	2	LED Drivers Design	Pavan Hanumolu
Tuesday, Oct 5	1	Digitally Controlled DC-DC Converters	Pavan Hanumolu
	2	Time-Based Control of DC-DC Converters	Pavan Hanumolu
Wednesday, Oct 6	1&2	DC-DC: From Discrete To Fully CMOS Integrated	Michiel Steyaert
Thursday, Oct 7	1	Practical Techniques of Frequency Compensation	Vadim Ivanov
	2	Design of LDO's with Instant Load Regulation & Unconditional Stability	Vadim Ivanov
Friday, Oct 8	1	Circuit Techniques for Integrated Switching Regulation	Vadim Ivanov
	2	Nanopower Design Techniques and Efficient Energy Harvesting	Vadim Ivanov
		Course Survey/Evaluation	Vlado Valence, All