Sensors and CMOS Interface Electronics

ON-LINE CLASS on Microsoft TEAMS

May 5-16, 2025

Mead Education

TU Delft
Delft University of Technology

WEEK 1	**MARCH 5-9**
WEEK 2	**MARCH 14-16**

DAILY	Central European Time **CET (Delft)**	Eastern Standard Time **EST (New York)**	Pacific Standard Time **PST (California)**	India Standard Time **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	9:30-11:00 pm

WEEK 1			
Monday, May 5	3:00 - 3:15 pm	Introduction to the Course Programme	K.A.A. Makinwa
	3:15 - 4:30 pm	Designing Smart Sensor Systems	K.A.A. Makinwa
	5:00 - 6:30 pm	Measurement and Calibration Techniques	M.A.P. Pertijs
Tuesday, May 6	3:00 - 4:30 pm	Dynamic Offset Cancellation Techniques	K.A.A. Makinwa
	5:00 - 6:30 pm	Precision Operational and Instrumentation Amplifiers	M.A.P. Pertijs
Wednesday, May 7	3:00 - 4:30 pm	Physical-to-Digital Conversion	M.A.P. Pertijs
	5:00 - 6:30 pm	References for Smart Sensors	F. Sebastiano
Thursday, May 8	3:00 - 6:30 pm	Smart Temperature Sensors	K.A.A. Makinwa
Friday, May 9	3:00 - 4:30 pm	Smart Capacitive Sensors	TBD
	5:00 - 6:30 pm	Smart Inertial Sensors	M. Kraft
WEEK 2			
Wednesday, May 14	3:00 - 4:30 pm	CMOS Image Sensors	A.J.P. Theuwissen
	5:00 - 6:30 pm	Single-Photon Imagers	R. Henderson
Thursday, May 15	3:00 - 4:30 pm	Smart Magnetic Field Sensors	G. Close
	5:00 - 6:30 pm	Smart Ultrasonic Sensors	M.A.P. Pertijs
Friday, May 16	3:00 - 4:30 pm	Interface Techniques for Smart Bioelectronic	T. Denison
	4:30 - 5:00 pm	Power Solutions for Autonomous Sensors	S. Du
	4:30 - 5:00 pm	Closing Session	Pertijs & Makinwa