



Smart Sensor Systems

TU DELFT, DELFT, THE NETHERLANDS
APRIL 8-12, 2019

MONDAY, April 8

09:30 - 11:00 am	Designing Smart Sensor Systems	Kofi Makinwa
11:15 - 12:30 am	Measurements and Calibration Techniques	Michiel Pertijs
1:30 - 3:00 pm	Analog-to-Digital Converters	Marcel Pelgrom
3:15 - 4:45 pm	References for Smart Sensors	Fabio Sebastiano
4:45 - 5:30 pm	Discussions with Lecturers + Drinks	

TUESDAY, April 9

9:00 - 10:30 am	CMOS-Compatible Microfabrication	R. Wolffenbuttel
10:45 - 12:15 am	Dynamic Offset-Cancellation Techniques	Kofi Makinwa
1:15 - 2:45 pm	Smart Inertial Sensors	Michael Kraft
3:00 - 4:30 pm	Smart Temperature Sensors	Kofi Makinwa
4:30 - 5:15 pm	Discussions with Lecturers + Drinks	

WEDNESDAY, April 10

9:00 - 10:30 am	CMOS-Based DNA Microarrays	Roland Thewes
10:45 - 12:15 am	Implantable Smart Sensors for Advanced Medical Devices	Tim Denison
1:15 - 2:45 pm	Guided Simulation on Multi-Domain Modeling	R. Wolffenbuttel & M. Ghaderi
3:00 - 5:00 pm	Discussions with Lecturers + Drinks	

THURSDAY, April 11

9:00 - 10:30 am	Precision Instrumentation Amplifiers	Johan Huijsing
10:45 - 12:15 am	Integrated Hall Magnetic Sensors	Pavel Kejik
1:15 - 2:45 pm	Multi-Electrode Capacitive Sensors	Gerard Meijer
3:00 - 5:00 pm	Hands-on Demos + Discussions with Lecturers	

FRIDAY, April 12

9:00 - 10:30 am	Smart Acoustic Sensors	Michiel Pertijs
10:30 - 12:00 am	CMOS Image Sensors	Albert Theuwissen
12:00 - 12:30 am	Closing Session	
