

# OMT workshop: Introduction to MEMS sensors, technology, design and consumer applications

**Robert Bosch Campus  
71272, Renningen, Stuttgart  
April 10-12, 2019**



Meet with experts of applied Micro and Nano systems at Bosch Research to learn about MEMS, Integrated Optics and how top-notch industrial research at Nano-scale is changing our everyday life!

**Registration open until March 15, 2019**  
to OMT fellows.

Please send an email to  
**Mohamed.Ashour@de.bosch.com**

We are looking forward to see you.

Bosch Research





# Agenda -- version 12.03.2019



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Time	Day 1 (RNG131 Tesla) 10.04.2019	Day 2 (Reutlingen) 11.04.2019	Day 3 (RNG131 Tesla) 12.04.2019
8:00		Gathering at the Renningen campus front entrance	
8:15			
9:00	Gathering and Coffee	Starting of drive to Reutlingen	
9:30	Welcoming and organizational details		Silicon Photonics
10:00		Tour in MEMS-Fab	
10:30	MEMS history		Coffee break
11:00			Microfluidics and Photonics
11:30			
12:00	Campus Tour and Lunch	Lunch	Lunch
12:30			
13:00			Tuneable Spectrometer
13:30	Accelerometers and Gyroscopes theory		
14:00		Excursion	A miniaturized magnetic field sensor based on nitrogen-vacancy centres in diamond
14:30	MEMS Technology		
15:00			Intelligent Sensors
15:30	Coffee-Break		
16:00	Lumerical : Intro, PIC Systems , and Compact models		Closing session
18:00	Take Bus & Train to Leonberg	Drive back to Renningen	
	18:45 : Dinner	19:15 : Dinner	

	Catering/Coffee break		Travel time		Free-time
	Lecture session		Tour/Excursion		