

Sep
17

Dry Processing Workshop



Location

TU Vienna

Business

Plasma Technology

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Workshop on Dry Processing for Nanoelectronics & Micromechanics Deposition & Etching, Presented by Oxford Instruments Plasma Technology and TU Vienna. Please see below for confirmed talk titles.

Tuesday 17 September 2019

Wednesday 18 September 2019

Talk Title	Presenter	Organisation
Dry Etching for MEMS Applications	Dr Zhong	Oxford

Talk Title	Presenter	Organisation
Etching of InP & GaAs by Ion beam	Dr	Oxford



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Workshop on Dry Processing for Nanoelectronics & Micromechanics Deposition & Etching

Oxford Instruments Plasma Technology & TU Vienna

AGENDA

Tuesday 17 September 2019		
Time	Topic	Speaker
09.15 h – 10.00 h	WELCOME COFFEE & REGISTRATION	
10.00 h – 10.30 h	Dry Etching for MEMS Applications	Dr Zhong Ren, Oxford Instruments
10.30 h – 11.00 h	Field Emission Scanning Probe Lithography & Cryogenic Plasma Etching for beyond CMOS devices	Martin Hofmann TU Ilmenau
11.00 h – 11.30 h	Tuning Materials Properties in Plasma ALD by Substrate Biasing	Dr Harm Knoop Oxford Instruments
11:30 - 11:45	COFFEE BREAK	
11.45 h – 12.30 h	Atomic Layer Etching (ALE)	Dr Matthew Loveday, Oxford Instruments
12.30 h – 13.00 h	SiC Etching for Via Holes & Feature for RF & Power Applications	Dr Samantha Mazzumoto, Oxford Instruments
13.00 h – 14.00 h	LUNCH BREAK	
14.00 h – 14.30 h	Graphene & 2D Materials-based Devices for the Optoelectronics Industry: (PE) CVD, (PE) ALD, RIE & ALE	Dr Francesco Reale, Oxford Instruments
14.30 h – 15.00 h	Review of InP Etch Process Including End Point Detection & Plasma Clean Processes	Dr Katie Hore, Oxford Instruments
15.00 h – 15.30 h	Plasma Deposition PECVD vs ICP PECVD	Dr Owain Thomas, Oxford Instruments
15.30 h – 16.00	Review of AlGaAs/GaAs Processing for VCSEL Fabrication	Dr Katie Hore, Oxford Instruments
16.00 h – 16.30 h	Deep Etching of Interband Cascade Laser Ridge-Waveguides	Johannes Hillbrand FKE und ZMNS, TU Wien <i>Lancaster Suzanne</i>
16.30 h – 18.30 h	COFFEE BREAK - POSTER SESSION - LAB TOUR	
19:00 h	CONFERENCE DINNER	