



Philipps



Universität
Marburg

**DOCK/
CHEMICALS**
SEMICONDUCTORS DECISION

Joint IMEC – Uni Marburg – Dockweiler Chemicals Workshop on

Novel Semiconductor Growth and Characterization

Marburg, Lahnberge, MZG, 02D36

6. – 8. Februar 2020

6.2.2020

Time		Title
14.00	Robert Langer (IMEC)	<i>Introduction to Imec and the epitaxy activity</i>
14.25	Kerstin Volz (UMR)	<i>Overview Marburg Activities</i>
14.50	Bernardette Kunert (IMEC)	<i>Introduction to Nano-ridge Engineering (NRE)</i>
15.15	Yoshiyuki Ishii (Sony)	<i>Defect characterization of III-V nano-ridges applying ECCI</i>
Coffee		
16.10	Marcel Kröner (UMR)	<i>Monolithic Integrated Ga(N,As,P,Sb) Laser on Silicon (001)</i>
16.35	Marina Baryshnikova (IMEC)	<i>NRE of GaSb</i>
17.00	Yves Mols (IMEC)	<i>NRE for GaAs based HBT integration on Si</i>
Lab Tour WZMW / STRL		
Transfer to Hotel		
19.30 joint dinner		

7.2.2020

Time		Title
9.00	Andreas Beyer (UMR)	<i>4-dimensional Scanning Transmission Electron Microscopy for Semiconductor Characterization</i>
9.25	Damien Heimes (UMR)	<i>Atomic Bonding Effects revealed by Scanning Transmission Electron Microscopy</i>
9.50	Gerson Mette (UMR)	<i>Ultrafast charge transfer at the buried GaP/Si(001) interface studied by means of time-resolved second-harmonic generation</i>
Coffee		
10.45	Reynald Alcotte (IMEC)	<i>Sn doping in InGaAs and GaAs applying SnCl₄</i>
11.10	Clément Porret (IMEC)	<i>Group-IV epitaxy for advanced CMOS devices at imec</i>
11.35	Gianluca Rengo (IMEC)	<i>Epitaxy of p-SiGe Source/Drain materials</i>
Lunch		
13.00	Thilo Hepp (UMR)	<i>Bi-containing W-type-Laser structures for long-wavelength emission on GaAs substrates</i>
13.25	Oliver Massmeyer (UMR)	<i>Decomposition Analysis of TBAs and TBP during GaAs and GaP Growth by MOVPE</i>
13.50	Carsten von Hänisch (UMR)	<i>Making the Molecule &...</i>
14.15	Manuel Kapitein (DWC)	<i>...& Scaling the Molecule</i>
Transfer to G-Hof & Tour of DWC (@16.00)		
19:00 Joint dinner		