

Forum Program

Thursday, April 10, 2003

Opening:

- 09:00 – 09:30 E. GORNIK (President of the GMe)
P. SKALICKY (President of the Vienna University of Technology)

SOI and Waferbonding:

- 09:30 – 10:15 U. GOESELE, S. CHRISTIANSEN (MPI Halle): “*Strained Si and Wafer-Bonding*” – **page 3**
10:15 – 11:00 G. CELLER (Soitec, Summit, NJ, USA): “*SOI: Developments, Challenges, and Applications*” – **page 5**

11:00 – 11:15 Coffee Break

- 11:15 – 12:00 P. LINDNER, T. GLINSNER, V. DRAGOI, J. WEIXLBERGER, C. SCHAEFER (EV Group, Schärding): “*Key Enabling Process Technologies for Advanced Semiconductors, MEMS and Nanomanufacturing*” – **page 9**

Semiconductor Intellectual Property:

- 12:00 – 12:45 M. KÄSTNER (NewLogic, Lustenau): “*Semiconductor Intellectual Property Industry*” – **page 13**

12:45 – 14:00 Lunch – Catering

System on a Chip:

- 14:00 – 14:45 D. DRAXELMAYR, R. PETSCHACHER (Infineon, Villach): “*Mixed-Signal Design for SoCs*” – **page 17**

Nano-Technology:

- 14:45 – 15:30 E.J. FANTNER (IMS, Wien): “*Micro@Nano-Fabrication-Austria*” – **page 25**

15:30 – 16:00 Coffee Break

- 16:00 – 16:45 E. HAMMEL (Electrovac, Klosterneuburg): “*Applications of Micro- and Nano-Technologies*” – **page 27**

- 16:45 – 17:30 H.G. CRAIGHEAD (Cornell, Ithaca): “*Nanomechanical Systems*” – **page 29**

- 17:30 Panel Discussion: “*Can Austria Keep Up Internationally in the Area of Nano-Technology?*”

Friday, April 11, 2003**Organic Electronics:**

09:00 – 09:45 G. LEISING (AT&S, Leoben): “*Integrated Organic Electronics*” – **page 33**

Sensors:

09:45 – 10:30 M. BRANDL, CH. FÜRBOCK, F. SCHRANK, V. KEMPE (AMS, Unterpremstätten): “*A Modular MEMS Accelerometer Concept*” – **page 37**

10:30 – 11:00 B. JAKOBY (TU Wien): “*Sensors and Interface Electronics for Oil-Condition Monitoring*” – **page 45**

11:00 – 11:15 Coffee Break

Thermal Imaging:

11:15 – 11:45 D. POGANY (TU Wien): “*Local Thermal and Current Imaging of Power Devices*” – **page 51**

Opto-Electronics:

11:45 - 12:15 W. SCHRENK (TU Wien): “*Quantum Cascade Lasers*” – **page 61**

12:15 - 12:45 T. FROMHERZ (JKU Linz): “*Light from Silicon: SiGe Quantum Cascade Structures*” – **page 65**

12:45 - 13:15 K. SCHMIDEGG (JKU Linz): “*In-situ Growth Monitoring and On-Line Composition Determination of MOCVD GaN by Spectroscopic Ellipsometry*” – **page 71**

13:15 Snacks and Poster Exhibition