

## NanoZEIT seminar @ SEMICON 2011

Track	Wednesday, October 12 2011
9.30 - 9.40	<b>Seminar Opening</b> J. W. Bartha and T. Mikolajick
9.40 - 10.00	<i>Overview of Organic and Large Area Electronics</i> <i>EU IP Project FLEXIBILITY (Flexible Multifunctional Bendable Integrated Light-Weight Ultra-Thin Systems)</i> C. Carta, M. Hanhikiorpi, A. Hübler, J. Zapf, G. Tröster, D. Vasiliadis, R. Paradiso, M. Krebs, M. Scharber, M. Tuomikoski, and F. Ellinger
10.00 - 10.20	<i>Spatially Resolved Studies of Leakage Current in High-k Dielectric Thin-Films for DRAM Application</i> D. Martin, M. Grube, W. M. Weber, H. Riechert, and T. Mikolajick
10.20 - 10.40	<i>Measurement Techniques for Investigation of Moisture in Novel Low-k Dielectrics</i> C. Kubasch and J. W. Bartha
10.40 - 11.00	<i>Atomic Layer Deposition of Tantalum Nitride-based Films</i> C. Hoßbach, D. Seifert, M. Knaut, M. Albert, and J. W. Bartha
11.00 - 11.20	<i>In-situ Monitoring of Atomic Layer Deposition Processes</i> M. Knaut, M. Junige, M. Geidel, M. Albert, and J. W. Bartha
11.20 - 12.20	<b>Break</b>
12.20 - 12.40	<i>3D Physical Design: Challenges and Solutions</i> R. Fischbach, J. Lienig, and T. Meister
12.40 - 13.00	<i>Assembling 2D Blocks into 3D Chips</i> J. Knechtel, I. L. Markov, and J. Lienig
13.20 - 13.40	<i>Bonding Technologies for 3D-Packaging</i> K. Meier and K.-J. Wolter
13.40 - 14.00	<i>Hydrogel-based Silicon Sensors for Chemical and Biochemical Applications</i> V. Schulz, M. Günther, and G. Gerlach
14.00 - 14.10	<b>Closing Remarks</b> T. Mikolajick and J. W. Bartha