



University of Crete

ΗΜΕΡΙΑΔΑ

της *Επιστημονικής Εταιρείας «Micro & Nano»*, υπό την αιγίδα του Ινστιτούτου Ηλεκτρονικής Δομής και Λείζερ του ΙΤΕ και του Πανεπιστημίου Κρήτης (Οργάνωση: Ομάδα Μικρο και Νανο Ηλεκτρονικής).

“EMERGING TECHNOLOGIES IN MICRO AND NANO ELECTRONICS AND ECO-FRIENDLY ASPECTS”

ΠΑΡΑΣΚΕΥΗ 22 ΙΟΥΛΙΟΥ

Τμήμα Φυσικής, Πανεπιστήμιο Κρήτης, Ηράκλειο, Κρήτη
Αίθουσα Σεμιναρίων, 3ος όροφος

PROGRAM

- 8:30-9:20 Arrival - Registration
- 9:20 Welcome
- 9:30-10:15 **Erhard Kohn**, Professor, Institute of Electron Devices and Circuits, University of Ulm
“III-Nitrides for applications in the extreme” (keynote lecture)
- 10:15-11:00 **Dimitrios Varvitsiotis**, General Plant’s and R&D Manager, Solar Cells Hellas Group
“A full vertical production line of polycrystalline silicon solar cells”
- 11.00-11:20 *COFFEE BREAK*
- 11:20-12:05 **Nikolaos Pelekanos**, Professor, Microelectronics Research Group, Department of Materials Science and Technology, University of Crete and Institute of Electronic Structure and Laser, FORTH
“Next generation nanophotonic semiconductor devices”

- 12:05-12:50 **Eleftherios Iliopoulos**, Ass. Professor, Microelectronics Research Group, Department of Physics, University of Crete and Institute of Electronic Structure and Laser, FORTH
“III-Nitride semiconductors for applications in electronic and photovoltaic devices”
- 12:50-13:35 **Philomela Komninou**, Professor, Department of Physics, Aristotle University of Thessaloniki,
“Understanding the microstructure of semiconductor nanostructures and interfaces with atomic scale resolution”
- 13:35-15:00 *LUNCH BREAK*
- 15:00-15:45 **Panagiotis Argitis**, Director of Research, Institute of Microelectronics, NCSR “Demokritos”
“Interface engineering in organic optoelectronic devices”
- 15:45-16:30 **Vassilios Georgakilas**, Research Associate, Institute of Materials Science, NCSR “Demokritos” and Ass. Professor (elected–appointment pending), Department of Materials Science, University of Patras,
“Synthesis, chemical functionalisation and characterization of Carbon nanostructures”
- 16:30-16:45 *COFFEE BREAK*
- 16:45-17:30 **Georgios Kiriakidis**, Assoc. Professor, Department of Physics, University of Crete and Institute of Electronic Structure and Laser, FORTH
“Novel Photocatalytic materials in “Green” technologies and applications”
- 17:30 *Closing remarks - discussion*



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