

WOCSDICE-EXMATEC 2016

6-10 June | Aveiro, Portugal

ABOUT THE CONFERENCE



WOCSDICE EXMATEC 2016

From 6 to 10 June 2016, the city of Aveiro, Portugal, welcomed the 40th *WOCSDICE - Workshop on Compound Semiconductor Devices and Integrated Circuits held in Europe* & 13th *EXMATEC - Expert Evaluation and Control of Compound Semiconductor Materials and Technologies*, a joint organisation between UA - University of Aveiro, IT - Institute of Telecommunications (Aveiro unit) and the Associate Laboratory i3N/FSCOSD - Institute of Nanostructures, Nanomodelling and Nanofabrication (Aveiro unit hosted by the University of Aveiro's Physics Department).

WOCSDICE is an annual meeting with a long standing tradition, as it was established in 1973. The workshop brings together internationally recognised researchers as well as promising young scientists and engineers to disseminate state-of-the-art research findings in the areas of compound semiconductor materials, associated devices and integrated circuits. Last *WOCSDICE* workshops were organized in Darmstadt - Germany (2010), Catania - Italy (2011). Island of Porquerolles - France (2012). Warnemünde - Germany

40th WOCSICE & 13th EXMATEC

6-10 June 2016 - Aveiro, Portugal

Monday, 6 June		Tuesday, 7 June		Wednesday, 8 June		Thursday, 9 June	
WOCSICE Registration		Secretariat Opens		EXMATEC Registration		Secretariat Opens	
<p>WOCSICE Opening Ceremony</p> <p>Invited Talk</p> <p>(88) Andrew Barnes - Development of Gallium Nitride technology for future ESA missions, current status and next steps</p>		<p>Invited Talk</p> <p>(86) Miguel Osting - State of the art power switching devices in SiC and their applications</p>		<p>EXMATEC Opening Ceremony</p> <p>Invited Talk</p> <p>(43) Dirk Wouters - ReRAM resistive switching devices for emerging memory and beyond</p>		<p>Invited Talk</p> <p>(71) Patrick Floreza - Advanced characterizations of insulator/semiconductor interfaces in Si and GaN</p>	
<p>(24) Peter Kordos - Temperature dependence of the threshold voltage in GaN-based HFETs and MOSFETs</p>		<p>Time break</p>		<p>Invited Talk</p> <p>(58) Henrique Gomes - Resistive switching in metal oxide/organic semiconductor non-volatile memories: Elucidating the role of the charge trapping in the electroforming process</p>		<p>(70) Maria Sobanska - MBEED studies of spontaneous nucleation and plasma-assisted MBE growth of GaN nanowire on amorphous Al₂O₃</p>	
<p>(27) Linh Tinh Xuan - Normally-off InAlGaIn/AlN/GaN Recessed MOS-HEMTs on Normally-on Epitaxial Structures for Microwave Power Applications</p>		<p>(77) Debarati Mukherjee - Fabrication and characterization of n-SiC / p-diamond heterojunctions</p>		<p>Invited Talk</p> <p>(21) Gottfried Strasser - MIR Lab-on-a-chip: From Discrete Devices to an Integrated System</p>		<p>(14) Alejandro Kurtz - Deep level spectroscopy in metal-insulator-semiconductor structures</p>	
<p>(54) Ferdinando Iucolano - Experimental and Numerical Investigation of Room Transient in GaN-HEMT during switch-mode operation</p>		<p>(51) Matej Pastorek - Ultra thin body InAs MOSFET with selectively raised InAs n+ S/D contacts</p>		<p>Invited Talk</p> <p>(49) Alexandre Fala Carvalho - Graphene Diamond Hybrid Films</p>		<p>(16) Ergin Tiras - Shubnikov-de Haas Measurements in Undoped and Doped AlGaIn/AlN/GaN Heterostructures with in situ Si₃N₄ Passivation Layer</p>	
<p>(61) Shinya Makino - Effect of Metal Electrode Shape Irregularities on AlGaIn/GaN HEMTs Breakdown Voltage Revealed by Electroluminescence</p>		<p>(100) Konstantinos Zekentes - Top-down 3C-SiC NW-FETs</p>		<p>Invited Talk</p> <p>(82) Gil Goncalves - Microwave assisted growth of Fe₃O₄ nanoparticles on the surface of graphene oxide nanosheets synthesis and characterization</p>		<p>Coffee break</p>	
<p>(98) Edwin L. Piner - Wafer Stress Mapping of GaN-on-Diamond by Micro-Raman Spectroscopy</p>		<p>(91) Adam Adzimenakis - InN/SiN, MIS capacitors and MISFETs grown by Plasma-Assisted MBE</p>		<p>Invited Talk</p> <p>(75) Andrés Bedondo-Cubero - Self-organization of plasmonic Ga</p>		<p>Coffee break</p>	
<p>Coffee break</p>		<p>Coffee break</p>		<p>Coffee break</p>		<p>Coffee break</p>	