

Info day and brokerage event "Micro – and Nano – System networking activities towards 7FP"

Prof. Zhang has authored/co-authored more than 100 scientific publications (including books and book chapters), and has been invited as keynote speaker by many international conferences and organizations. He has been chairing and co-chairing several international conferences (IEEE EuroSimE, ICEPT, etc.), and participating in technical committees of several conferences (IEEE ECTC, IEEE EPTC, ESREF, etc.), and scientific societies. He also serves as an associated editor for IEEE Transactions on CPT and guest editor for several international Journals. His scientific interests include virtual prototyping and virtual reliability qualification, multi-scale and multi-physics characterization and modeling, and "More than Moore" technologies.

Prof. Robert Plana was born on March 1964 in Toulouse. He obtained his PhD in 1993 at LAAS-CNRS and Paul Sabatier University on the noise modelling and characterization of Advanced Microwave devices (HEMT, PHEMT and HBT) that includes the reliability. In 1993, as associate professor at LAAS-CNRS, he has started a new research area concerning the investigation of millimeterwave capabilities of Silicon based technologies. More precisely, he has focussed on the microwave and millimeterwave properties of SiGe devices and their capabilities for low noise circuits. In 1995, he has started a new project concerning the improvement of the passives on silicon through the use of MEMS technologies. In 1999, he has been involved with SiGe Semi-conductor in Ottawa where he was working on the low power and low noise integrated circuits for RF applications. In the same year, he has received a special award from CNRS for his works on Silicon based technologies for millimeterwave communications. In 2000, he has been professor at Paul Sabatier University and Institut Universitaire de France and he has started a research team at LAAS-CNRS in the field of Micro and Nanosystem for RF and millimeterwave communications. Its main interests are on the technology, design, modelling, test, characterization and reliability of RF MEMS for low noise and high power millimeterwave applications and the development of the MEMS IC concept for smart microsystem. He has built a network of excellence in Europe in this field "AMICOM" regrouping 25 research groups. He has authored and co-authored more than 200 international journals and conferences. In 2004, he has been appointed as Deputy Director of the Information and Communication Department at the CNRS Headquarter. In 2005, he has been appointed director of the Information and Communication Department at CNRS. He is now heading a research group at LAAS-CNRS in the field of Micro and Nanosystem for wireless communications.

Prof. Dan Dascalu is the General Manager (CEO and President of the Board) of the National Institute for R&D in Microtechnologies (IMT-Bucharest). He is also professor at the "Politehnica" University of Bucharest (PUB), Department of Electronics and Telecommunications and full member of the Romanian Academy (of Sciences). Prof. Dascalu is the author of scientific monographs "Transit-time Effects in Unipolar Solid-State" and "Electronic Processes in unipolar solid State Devices" (both published by Abacus Press, Kent, U.K., 1974 and 1977, respectively) as well as of more than 150 technical papers published in scientific periodicals or conference proceedings. He is coordinating the Romanian scientific network (RO-NANOMED) devoted to integration into the European Technological Platform of NanoMedicine (2005-2008). Dan Dascalu is Editor-in-chief of the "Romanian Journal for Information Science and Technology" (edited by the Romanian Academy), and coordinator of a series of books in "Micro- and nanoengineering" (Publishing House of the Romanian Academy), with 8 volumes already published and another one in press. Prof. Dascalu is representing Romania in the NMP FP6 Programme Committee (since 2002), in the Steering Committee of MNT ERA-NET (MNT=Micro- and NanoTechnologies), and in the "mirror group" for the European technological platform for NanoMedicine. Prof. Dascalu is coordinating three SSA (support) projects (ROMNET-ERA, MINAEAST-NET and MINOS-EURONET) financed by EU and mainly devoted to networking in micro- and nanotechnologies, at the national, regional and pan-European scale, respectively.

Dr Piotr B. Grabiec is a head of Department of Silicon Microsystem and Nanostructure Technology in Institute of Electron Technology, Warsaw, Poland. His present research activity involves a technology of silicon devices and MEMS, sensors and actuators with special emphasis on integration of heterogeneous technologies. His group was and is involved in a number of FP5 and FP6 projects, including Healthy Aims, an Integrated Project within which a microsystem devices for medical implants are to be developed. Besides, dr Grabiec is member of a Scientific Community Council of European Nanoelectronic Technology Platform, ENIAC. He is also an expert invited for evaluation and reviewing of the European FP5 and FP6 projects.

Dr. Nikos Papamichail is the managing Coordinator of GOSPEL Network of Excellence, which is coordinated by the research group of PD Dr. Udo Weimar from the Institute of Physical and Theoretical Chemistry at the Eberhard-Karls Universität Tübingen / Germany. The research is focused to chemical gas sensors, including the fundamental understanding of the surface processes on metal oxide semiconductors used for resistive gas sensors on the one hand but also the application development for these and other types of gas sensors and sensor arrays on the other. The latter is also the driver for GOSPEL, which seeks commercial exploitation of scientific Know-how in the field of Artificial Olfaction and gas sensing. The research group of Udo Weimar (formerly one part of the group of Prof. Dr. Dr. hc mult Wolfgang Göpel) was involved in several FP 4 / 5 projects, among them the European funded Thematic Networks NOSE and NOSE II, both devoted to Artificial Olfaction.

Mr Chris Matthews is Contracts Administrator at Cardiff University's Manufacturing Engineering Centre, which co-ordinates IPs and STREPs as well as two FP6 Networks of Excellence (4M and I*PROMS). 4M brings together 30 partners from 15 European countries and has been established to integrate the currently fragmented R&D capacity in non-silicon microtechnologies in the European Research Area. The main aim of 4M is to develop micro and nano manufacturing technologies (MNT) for the batch-manufacture of micro-components and devices in a variety of materials resulting in user-friendly production equipment, processes and manufacturing platforms for incorporation into the factory of the future.

Dr. Neus Sabaté was born in Tarragona, Spain. She received her B.Sc. degree on physics from Barcelona University (Spain) in 1998. In 1999 she joined the Microsystems department of Centro Nacional de Microelectrónica in Barcelona and she obtained her PhD in Physics in 2003, working on the development of gas and flow sensor devices and microsystems. In 2004 she joined the Electronics Department of the University of Barcelona to work in MEMS applications for the gas sensing field. After a post-doctoral stay at the Micro Materials Center in Berlin, she got involved again in the Microsystems department of CNM to work in Gas sensing devices and MicroFuel cells.

Dr. Peter Ivanov, graduated in Telecommunications from the Technical University of Sofia (Bulgaria) in 2000 and received his PhD in 2004 from the Universitat Rovira i Virgili (Tarragona, Spain). His thesis has been focused on the design, the fabrication and the characterisation of screen-printed gas sensors. He is currently a researcher in Gas Sensors Group at the National Centre of Microelectronics (Barcelona, Spain).

Assoc. Prof. PhD Anna Andonova is vice dean of the Electronics Faculty of Technical University of Sofia, Bulgaria and assoc. professor in Department of Microelectronics. She has authored/co-authored more than 60 scientific publications (including books).

Mrs. Andonova has been member of the Steering committee of the International Symposium on Microelectronics Technologies and Microsystems, the International Scientific Symposium of the Defence Research Agency and the International Scientific Conference "Electronics". She has been in STU-Bratislava to specialize in microsensors. Andonova is a member of the Automation and Informatics Union and the Union of the Scientists in Bulgaria. Her scientific interests include Quality and Reliability of MEMS, Design for Reliability, Life Data Analysis, Design for Testability, Reliability Growth, Testing and CCD.

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