Wrocław University of Technology – University of Malaga NANOSCIENCE WORKSHOP

18 – 19 January, 2011

Senate Hall (room 127), WRUT Main Building (A1)

Tuesday, 18 January

	-
9.00 - 9.15	Workshop opening
	Vice-Rector of WRUT – Prof. Cezary Madryas
	Vice-Rector of University of Malaga – Prof. Jose A. Narvaez Bueno
9.15 – 9.35	Prof. Andrzej Dziedzic, Faculty of Microsystems Electronics and Photonics, WRUT
	Microelectronics research at WRUT
9.35 - 9.55	Prof. Regina Paszkiewicz , Faculty of Microsystems Electronics and Photonics, WRUT
	III- V semiconductor nanostructures for advanced devices applications
9.55 – 10.15	Dr. Grzegorz Jóźwiak, Faculty of Microsystems Electronics and Photonics, WRUT
	Metrology of micro and nanostructures
10.15 – 10.35	Dr. Robert Kudrawiec, Institute of Physics , WRUT
	Bandgap engineering in III-V semiconductor heterostructures dedicated for laser
	applications: Design and experimental verification by modulation spectroscopy
10.35 – 10.55	Dr. Grzegorz Sęk, Institute of Physics , WRUT
	Semiconductor quantum dashes: optical properties and application prospects
10.55 – 11.15	Coffee break
11.15 – 11.35	Prof. Jose Ramos Barrado, University of Malaga
	The Nanotechnology Unit of Malaga University
11.35 – 11.55	Dr. Juan Casado, University of Malaga
	Molecular nanostructured materials for molecular electronics and photonics
11.55 – 12.15	Dr. Francisco Martín, University of Malaga
	Nanostrutured materials and coating for energetical applications
12.15 – 12.35	Dr. Manuel López, University of Malaga
	Nanotechnology and Organic Synthesis
12.35 – 12.55	Dr. Santiago Palanco, University of Malaga
	Tailored generation of nanoparticles by laser irradiation of micro-droplet stream
12.55 – 14.00	Lunch
14.00 – 14.20	Prof. Antoni Mituś, Institute of Physics, WRUT
	Electric field nano-poling of octupolar molecules:
	Statistical Mechanics and Monte Carlo analysis

14.20 – 14.40	Dr. Artur Podhorodecki, Institute of Physics, WRUT
	Optical spectroscopy of nanocrystalline materials
15.00	Visit to the Laboratory of Optical Spectroscopy of Nanostructures, Institute of Physics
Wednesday,	19 January
9.00 - 9.20	Dr. Daniel Collado, University of Malaga
	Biomimetic dendrimers for medical applications
9.20 – 9.40	Dr. Tomas Cordero, University of Malaga
	Nanoparticle from carbon materials
9.40 – 10.00	Prof. Andrzej Miniewicz, Institute of Physical and Theoretical Chemistry, WRUT
	Photochromic polymers, liquid crystals and biopolymers studied
	by nonlinear optical techniques
10.00 – 10.20	Dr. Krzysztof Janus, Institute of Physical and Theoretical Chemistry, WRUT
	Organic Field Effect Transistors: optoelectrical switches, semicrystalline polymers
	and all solution made devices
10.20 – 10.40	Dr. Marcin Nyk, Institute of Physical and Theoretical Chemistry, WRUT
	Nanoparticles for nanophotonics
10.40 – 11.00	Prof. Grażyna Gryglewicz, Division of Polymer and Carbonaceous Materials, WRUT
	Synthesis of fishbone-type carbon nanofibers by catalytic decomposition of methane
11.00 – 11.20	Coffee break
11.20 - 11.40	Dr. hab. Antoni Chyla, Institute of Physical and Theoretical Chemistry, WRUT
	Ensyme immobilisation for sensoric purposes (in Langmuir-Blodgett layers)
11.40 – 12.00	MSc. Joanna Olesiak-Bańska, Institute of Physical and Theoretical Chemistry, WRUT
	Liquid crystalline phases of DNA
12.00 – 12.20	Prof. Marek Samoć, Institute of Physical and Theoretical Chemistry, WRUT
	Femtosecond laser studies of third order nonlinear optical properties
	of organometallic compounds
12.20 – 13.30	Visit to the laboratories of the Institute of Physical and Theoretical Chemistry:
	Laboratory of Material Characterisation,
	Laboratory of Nonlinear Optics,
	Laboratory of NLO spectroscopy,
	Laboratory of Thin Molecular Films
13.30 - 14.30	Lunch
14.30	Visit to the Laboratory of Microelectronics and Nanotechnology,

Faculty of Microsystems Electronics and Photonics, WRUT