Time		Thursday, September 26th, 2019				Time
		NEFELI HALL	DELPHI	JUPITER HALL	ATHENA HALL	
08.30						08.30
08.45-09.00	JUPITER HALL	**Plenary 7** **MNE Fellow Award & Lecture** Hella-Christin Scheer				08.45-09.00
09.00-09.15						09.00-09.15
09.15-09.30						09.15-09.30
09.30-09.45	JUPITER HALL	**Young Investigator Award Invited Lecture** **Yuksel Temiz**				09.30-09.45
09.45-10.00						09.45-10.00
10.00 10.15	JUPITER HALL	**Award Ceremony**				10.00-10.15
10.15-10.30		**Coffee break**				10.00-10.15
10.30-10.45						10.15-10.30
10.45 -11.00		**Session A7: Electron and Ion Beam Lithography** **A single integrated fiberoptrode for optogenetic stimulation and electrical recording of neural activity** Spagnolo B.	**Session B7: Nanostructures for Photonics** **Optofluidic waveguide using oil-impregnated nanoporous surfaces as cladding layers** Asawa K.	**Session C7: Materials & Devices for nanoelectronics** **Merging Computing and Sensing for Low power and Sustainable Edge Applications** Ernst T. CEA-LETI, Grenoble, France	**Session D7: Micro & Nano Fluidics** **3D coaxial liquid injection and extraction system by 2-photon-polymerization** Erfle P.	10.45 -11.00
11.00-11.15		**Cs and Rb Ion Coldbeam Suitability for Circuit Edit** Greenzweig Y.	**Fabrication of Vivid, Wide Area Transmission Holograms in Plastic Substrates by Nanoimprint Lithography** Morton K.		**Fabrication of a μ-fluidic device by two-photon lithography using a positive tone resist** Van der Velden G.	11.00-11.15
11.15-11.30		**The Marriage of the Ions and Chemistry to Fulfill Semiconductor devices Preparation** Goupil G.	**INVITED: Biomimetics of photosynthetic photonic structures. How natural light harvesting could become an inspiration for nanotechnology** Lopez, Martin	**Vertical field-effect transistors based on 3D GaN nanostructure arrays** Strempel K.	**A Precise, Low-Power, Electrokinetically Actuated Micropumping Mechanism** Eden A.	11.15-11.30
11.30-11.45		**Excitation power density dependence of photocurrent from InGaN photocathode** Sato D.		**Design and simulation of planar nano vacuum channel transistors (pNVCT)** Turchetti M.	**INVITED: Design and Fabrication of Plastic Nanofluidic Devices for Single Molecule Detection** Sunggook Park Louisiana State University, USA	11.30-11.45
11.45-12:00		**Nanofabrication and imaging characterization of 30 nm resolution charts with vertical sidewalls** Zhu J.	**Three dimensional silicon nanostructures for photonic applications** Chang B.	**Integration of 2D MoS2 with InAlAs/InGaAs heterojunction for dual color detection in both visible and near-infrared band** Deng J.		11.45-12:00
12.00-12:15		**Lunch break**				12.00-12:15
12.15- 12:30						12.15- 12:30
12.30-12:45						12.30-12:45
12.45-13:00						12.45-13:00
13.00-13.15		**Session A8: Industrial I** **The path to Roll to Roll Imprint Technology, an Enabling Technology** Maltabes J. Applied Materials, Germany	**Session B8: Wetting III** **A scalable process for manufacturing hierarchical superhydrophobic structures on aluminium: promotion of stable dropwise condensation for tropical air conditioning** Kadala K.	**Session C8: Materials for Nanoelectronics II** **Suitability of HSQ as fabrication material for vertical devices at nano-scale** Amat E.	**Session D8: Devices for DNA studies** **Ultrafast Phage-Long DNA Size Profiling Using Optonanofluidic Device** Chou C.	13.00-13.15

Time		Thursday, September 26th, 2019				Time
13.15-13.30			**Designing Surfaces for Under-Liquid Super-Repellency** Zhu P.	**Memristive behaviour of electrodeposited thermoelectric materials** Mihailovic I.	**Nanomechanical DNA resonator for DNA structural alterations studies** Marini M.	13.15-13.30
13.30-13.45		**Flexpol: Developing a bactericide adhesive film** Kehagias N.	**Superhydrophobic and superoleophobic properties enhancement on PDMS microstructure using simple flame treatment method** Atthi N.	**Electrostatically-coupled dopant atom double quantum dot transistor measurements at room-temperature** Abualnaja F.	**Controlling DNA translocation in nanofluidic devices using topography** Fernandez-Cuesta I.	13.30-13.45
13.45-14.00		**Full-Scale Manufacturing of 200mm/300mm Wafers on a Fully Integrated Nanoimprint Lithography System** _Wiesbauer H.	**Design, fabrication and characterisation strategies for large area bactericidal polymer films** Francone, A.	**Sputtered ZnO nanostructure homojunctions fabricated on room temperature pre-patterned substrates** Aperathitis E.	**Electrokinetic Scanning Probe for Localized Surface Patterning and Analysis** Ostromohov N.	13.45-14.00
14.00-14.15		**Coffee break**				14.00-14.15
14.15-14.30						14.15-14.30
14.30-14.45		**Session A9: Industrial II** **All integrated mix & match direct-write nano- and microlithography platform based on local heat induced sublimation of polyphthalaldehyde resist** Holzner F.	**Session B9: Nanofabrication** **58. Materials characterization of gas assisted etch and deposition of focused Cs+ ion beam** Dreznera Y.	**Session C9:Materials for photonics** **338. Tuning Fluorophores Concentration and Their Residence Time in Zero-Mode Waveguides** Barbaglia A.	**Session D9: Lab & Organ on-chip** **A Novel Micro Free-Flow Electrophoresis 3D printed Lab on a Chip for exosomes separation** Barbaresco F.	14.30-14.45
14.45-15.00		**Advanced FIB Patterning Strategies for Photonic Devices** Nadzeyka A.	**Lithium-Doping of ZnO: is it possible to chemically produce p-type ZnO?** Makarona E.	**Very High Refractive Index Transition Metal Dichalcogenide Photonic Conformal Coatings by Conversion of ALD Metal Oxides** Schwartzberg A.	**Loading of biodegradable microcontainers with budesonide for local treatment of inflammatory bowel disease** Abid Z.	14.45-15.00
15.00-15.15		**New high etch resistant high resolution silsesquioxane based resist for DUV/EUV and ebeam lithography as long shelf-life and more sensitive alternative for HSQ** Grüneberger F.	**Development of van der Waals force based microscale joint for microscale assembly** Jang K.	**Fabrication and novel applications of GaN-based microLED arrays** Gülink J.	**Lensless imaging strategies for micro-particles and bacterial colonies counting** Yescas González T.	15.00-15.15
15.15-15.30		**Multiscale Position Correction for Automated Device-scale STM Lithography** Owen J.	**Electrically controlled modification of polymer film structure of semiconductor – insulator composites casted by horizontal-dipping** Awsiuka K.	**Magnetic Dipole Resonance Induced Visible Luminescence from Hundred Nanometers of Silicon Particles** Chang S.	**3D structuration of porous PDMS by emulsion templating for the fabrication of cell culture scaffolds** Riesco R.	15.15-15.30
15.30-15.45		**Short Break**				15.30-15.45
15.45-16.00		**Session A10: Resists** **Evaluation of RE-650 as a positive tone resist for electron beam lithography with high plasma etch durability** Zhu M.	**Session B10: Microfabrication** **Manufacturing of local defined nano- and microstructures for semiconductor devices by dewetting phenomena** Ernst O.	**Session C10: Miscellaneous** **Highly sensitive and selective NO2 gas sensor using patterned FTO electrodes** Kim Y.	**Session D10: Chem. Sensors & Biosensors II** **Engineering light collection volumes with microstructured tapered optical fibers for optical readout of neural activity monitoring** Maglie E.	15.45-16.00

Time		Thursday, September 26th, 2019				Time
16..00-16.15		**Environmentally friendly nanofabrication with cellulose and water** Johann Osmond J.	**Templated dewetting of ultra-long wires for a Si-based circuit** Bollani M.	**Single-Mode Polymer Ridge Waveguide Integration of Organic Thin-Film Laser** Čehovski M.	**Electrochemical Sensing Based on Inkjet-Printed Reduced Graphene Oxide on a Flexible Substrate** Choi J.	16..00-16.15
16.15-16.30		**In-situ monitoring of development step of high-resolution e-beam resists** Mpatzaka T.	**Deposition and optimization of Schottky junctions by Atomic Layer Deposition for piezotronic strain sensors** Joly R.	**A MEMS based capacitive resonator designed for the detection of the target analyte** Tez S.	**Microelectrode Arrays with Integrated Pneumatic Cavities for Electrode Position Control in Retinal Prosthesis** Xu Y.	16.15-16.30
16.30-16.45		**Synthesis and Photolithographic Characterization of Phenolic Molecular Resists under Electron-beam and Extreme UV Irradiation** Lee J.	**Patterning Platinum using CMP and plasma etching industrially compatible processes** Elshaer A.	**Integration of piezoelectric nanostructures with MEMS by inkjet printing** Murillo G.	**Effects of the Acid-base property of the Dopant on the SnO2 Gas Sensor** Yuan Z.	16.30-16.45
16.45-17.00	JUPITER HALL	**Plenary 8** **New Materials and Devices for Interfacing with the Brain** Malliaras, George University of Cambridge, UK				16.45-17.00
17.00-17.15						17.00-17.15
17.15-17.30						17.15-17.30
17.30-17.45	JUPITER HALL	**Announcements & Closing Remarks**				17.30-17.45
17.45-18.00						17.45-18.00
18.30						18.30
18.45						18.45
19:00						19:00
19:15		**Excursion to Lindos**				19:15
19:30						19:30
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21.45						21.45
22.00						22.00