

#	Surname	Affiliation	Subtopic	Poster title
PO-001	Roos	Universität Ulm	2D material integration	Integration of kinked silicon nanowires in polymeric scanning probes for biomedical applications
PO-002	Ballesio	Politecnico di Torino	2D material integration	A novel Graphene transfer for flexible electronics
PO-003	Whelan	Technical University of Denmark	2D material integration	Non-destructive electrical characterization of graphene by terahertz time-domain spectroscopy
PO-004	Røst	Norwegian University of Science and Technology	2D material integration	Preparation of Transfer-free Graphene on Insulator for Novel Electronic Devices
PO-006	Wang	AMO GmbH	2D material integration	Towards Wafer Scale Integration of CVD Graphene
PO-007	Whelan	Technical University of Denmark	2D material integration	Quantitative optical mapping of two-dimensional materials
PO-008	ZHANG	Université Paris-Saclay	2D material integration	Integration of polarizable CNx microelectrodes in a microfluidic flow-FET device
PO-009	Asano	Tokyo Institute of Technology	MEMS/NEMS	High Stress Au-Cu Alloy Evaluated by Bending Test
PO-010	Watanabe	Tokyo Institute of Technology	MEMS/NEMS	Effects of Ti/Au Layer on Temperature Dependence
PO-011	Sone	Tokyo Institute of Technology	MEMS/NEMS	Micro-Mechanical Property of Defect-Free Nickel
PO-012	Yeh	National Taiwan University	MEMS/NEMS	Fabrication of a Flexible Wireless Pressure Sensor
PO-013	Tan	National Taiwan University	MEMS/NEMS	A blood pulse sensing system with a tension sensor
PO-014	Sone	Tokyo Institute of Technology	MEMS/NEMS	Reliability of Ti/Au Micro-Cantilever
PO-015	Zhang	Shanghai Jiao Tong University (SJTU)	MEMS/NEMS	A MEMS G-SWITCH LATCHED BY ELECTROSTATIC FORCE
PO-016	Korwin-Mikke	Oxford Instruments	MEMS/NEMS	Low Reflectance Black Silicon Structures Manufactured at Cryo Temperatures
PO-017	Jimidar	University of Twente	MEMS/NEMS	Collection of micron sized silica particles using a vacuum-driven set-up
PO-018	Ommen	Technical University of Denmark	MEMS/NEMS	Reduced cavity pressure in fusion bonded devices: Is a wafer bonder necessary?
PO-019	Garcés-Schröder	Technische Universität Braunschweig	MEMS/NEMS	Pre-strain optimization for wafer-level integrated SMA actuators for tissue characterization
PO-020	Muscalu	National Institute for Research and Development in Microelectronics and Nanotechnology	MEMS/NEMS	Fabrication and mechanical testing of MEMS piezoelectric cantilevers array for energy harvesting
PO-021	Kwoka	Wrocław University of Science and Technology	MEMS/NEMS	Soft piezoresistive cantilevers for adhesion force measurements
PO-022	Ihring	Leibniz Institute of Photonic Technologies	MEMS/NEMS	Fabrication of highly efficient surface micromachined dual-band IR absorber structures
PO-024	Sun	Imperial College London	MEMS/NEMS	Response Speed Improvement of Humidity Sensors by Laser Nano-patterning
PO-025	Maebashi	Tokyo University of Science	MEMS/NEMS	Stencil mask using UV-curable positive-tone EB resist
PO-026	Martin-Olmos	CSEM SA	MEMS/NEMS	Fabrication of high resolution insulated strain sensors
PO-027	Hatipoglu	Bilkent University	MEMS/NEMS	A buckling-based, DC controlled, non-volatile nanoelectromechanical logic memory
PO-028	Scarpa	Istituto Italiano di Tecnologia	MEMS/NEMS	Fabrication of pH responsive hydrogel-based device for flexible gravimetric sweat sensor
PO-029	Mineta	Yamagata University	MEMS/NEMS	Fabrication of tactile display with individual-driving shape memory alloy thick film actuator array
PO-030	Babij	Wrocław University of Science and Technology	MEMS/NEMS	MEMS deflection calibration reference for atomic force microscopy
PO-031	Xu	Yamagata University	MEMS/NEMS	Characterization of tactile sensation of deformable surface with micro-bump structure
PO-032	Bicer	Koc University	MEMS/NEMS	Fabrication of a silicon nanocantilever through field-emission scanning probe lithography
PO-033	ZHU	Chinese Academy of Sciences	MEMS/NEMS	A Novel Scanning Force Microscopy Probe with Self-Actuation and Piezo-Resistive Sensing
PO-034	Chang	Tokyo Institute of Technology	MEMS/NEMS	Young's Modulus of Ti/Au Micro-Cantilever by Resonance Frequency Method toward Au-Based MEMS Device
PO-035	LE ROUX	Centre de Nanosciences et de Nanotechnologies	MEMS/NEMS	A novel silicon-on-glass fabrication process for biomedical energy harvesters
PO-037	Li	Harbin Institute of Technology	Metrology	Friciton drag of boron nitride nanotubes film
PO-038	Iida	Evolving nano process Infrastructure	Metrology	Programmed defect on extremely low LER L&S pattern
PO-039	Koops	VSL Dutch Metrology Institute	Metrology	AFM probe shape reconstruction methods
PO-040	van Zeijl	TNO	Metrology	A Siemens star for 3D nanometrology
PO-041	Sakanas	Technical University of Denmark	Metrology	Quantifying non-uniform InP-on-Si wafer expansion with a sub-50 nm precision using E-beam metrology
PO-042	Hofmann	Ilmenau University of Technology	Metrology	High fidelity Field-Emission Scanning Probe Lithography for Single-Digit Nano-patterning
PO-043	Kalhauge	Technical University of Denmark	Metrology	Micro Four-Point Probes as a Tool for Electrical Characterization of MoS2
PO-044	Abbaspourmani	Technical University of Denmark	3D manufacturing and other	Performance assessment of a low-cost spinner design
PO-045	Beigelbeck	Danube University Krems	Metrology	Elastomechanical thin film characterization based on blistered membrane arrays

PO-046	Majstrzyk	Wroclaw University of Science and Metrology	Atomic Force Microscopy with on-cantilever force and deflection control
PO-047	Ayon	The University of Texas at San Antonio	Fundamental Losses in Silicon Solar Cells from an Engineering Design Perspective
PO-048	Nagoshi	National Institute of Advanced Industrial Science and Technology	Deformation Behavior in Micro-Compression of Columnar Grained Nickel
PO-049	Llobet	International Iberian Nanotechnology Laboratory	Automated characterization and analysis of fabricated large arrays of nanostructures at wafer level
PO-050	Ditshogo	Botswana International University of Science and Technology	Micro- and nano electronic Top-down fabrication process for ZnO NW-FETs
PO-051	Samiepour	University of York	Micro- and nano electronic Two fabrication methods of nanopillar GMR devices
PO-052	Saiki	Hyogo Prefectural Institute of Technology	Micro- and nano electronic SAW actuator utilizing gravity for feeding powders
PO-053	Zimmermann	TU Dortmund University	Micro- and nano electronic Anisotropic etching of polyimide for integrated thin film thermoelectric converter
PO-054	Rosamond	University of Leeds	Micro- and nano electronic Bridge contacts for measuring Rh/Fe phase changes
PO-055	Lee	Pusan National University	Micro- and nano electronic Effective structure of the solution ZnO/SnO ₂ TFTs
PO-056	Nitta	Tokyo Institute of Technology	Micro- and nano electronic Long-Term Vibration of AuCu alloy Micro-Cantilever
PO-057	Gerster	Physikalisch-Technische Bundesanstalt	Micro- and nano electronic GaAs/AlGaAs Based Single-Electron Pumps
PO-058	Tataridou	Democritus University of Thrace	Micro- and nano electronic Barrier inhomogeneity at Reduced Graphene Oxide/Silicon contacts
PO-059	Ali	Khalifa University of Science and Technology	Micro- and nano electronic Fabrication of well-defined nano-probes for electrical characterizations at sub 10-nm scale
PO-060	Meyers	Paderborn University	Micro- and nano electronic Characterization of an amorphous perfluorinated copolymer as dielectric for flexible electronics
PO-061	Eberle	ETH Zürich	Micro- and nano electronic Estimating the throughput of an automated, high-speed assembly system for CNT based sensors
PO-062	Wang	National Chiao Tung University	Micro- and nano electronic Electrical Properties Improvement of ZnO-Based TFT with Nitrogen, Argon, and Oxygen Plasma Treatment
PO-063	Gerngroß	Allresist GmbH	Micro- and nano electronic Atlas 46 – novel negative tone photoresist for complex multi-layer structures
PO-064	Gerngroß	Allresist GmbH	Micro- and nano electronic Brilliant Fluorescent Resists for E-beam and Photolithographic Applications
PO-065	von der Heide	Technische Universität Braunschweig	Micro- and nano electronic Femtosecond laser contoured micro-strain gauges
PO-066	Lang	University of Vienna	Micro- and nano electronic Fluxon traps in cuprate superconductors fabricated by masked ion beam irradiation
PO-067	Zhang	Delft University of Technology	Micro- and nano electronic Design of a new micro-fabricated beam blanker for Ultrafast Electron Microscopy
PO-068	Alkai	University of Canterbury	Micro- and nano electronic Conductive Bioimprint for Cell Culture Applications
PO-069	Lecomte	Istituto Italiano di Tecnologia	Micro- and nano electronic Post-processing and nano-structuring a high-resolution 512-channels CMOS neural probe
PO-070	Passi	AMO GmbH	Micro- and nano electronic Sub-Micron Patterning of Insulating Substrates by Electron Beam Lithography
PO-071	Khiat	University of Southampton	Micro- and nano electronic Volatility and the absence of volatility in metal-oxide based memristors
PO-072	Park	Hanyang University	Micro- and nano electronic Thermo-mechanical analysis of the extreme ultraviolet pellicle with the residual stress
PO-073	Todeschini	Technical University of Denmark	Micro- and nano electronic In-situ transmission Kikuchi diffraction for high T thin-film characterization in nanofabrication
PO-074	Cherian	The University of Texas at San Antonio	Micro- and nano electronic Reconfigurable Spintronic Synaptic Device (RSSD) for Neuromorphic Computing
PO-075	Chang	National Taiwan Normal University	Micro- and nano electronic Picosecond laser-assisted fabrication of graphene-based electrode device for gas detection
PO-076	Orlikovskiy	Bauman Moscow State Technical University	Micro- and nano electronic Fabrication of reproducible submicron Josephson Junctions arrays
PO-077	Owen	Zyvex Labs	Micro- and nano electronic 2D dopant arrays using a Tip-assisted Incorporation Process
PO-078	KOHNO	Fukuoka University	Micro- and nano electronic Highly Oriented Bismuth Titanate Nanocrystalline Thin Films on Si Substrates for FeFET Memory device
PO-079	AlZaidy	University of Southampton	Micro- and nano electronic Synthesis and characterisation of SnS thin films and heterojunctions for photovoltaic applications
PO-080	Kapur	University of Southampton	Micro- and nano electronic Passive Resistive Random Access Memory Matrices Using Amorphous Silicon Carbide
PO-081	Luo	Xi'an Jiaotong University	Micro- and nano electronic Perovskite solar cells fabricated by electrospray deposition technology
PO-082	del Moral Cejudo	Institute of Microelectronics of Barcelona	Micro- and nano electronic Exploring nanofabrication strategies for sub-100nm vertical structures contacting
PO-083	Chang	National Taiwan Normal University	Micro- and nano electronic Ablation of multilayer graphene by picosecond laser pulses for microheaters
PO-084	Khan	Helmholtz-Zentrum Dresden-Rossendorf	Micro- and nano electronic Controlled Nickel Silicidation using Flash Lamp Annealing for Reconfigurable Field Effect Transistors
PO-085	DI	École Polytechnique Fédérale de Lausanne	Micro- and nano electronic Growth and PFM study of PMN-PT thin films
PO-086	Škriniarová	Slovak University of Technology in Bratislava	Micro- and nano electronic Nano Imprint Lithography – Issues at the de-molding process
PO-087	Ditshogo	Botswana International University	Modeling Investigating ZnO NW-FET Contact Resistance
PO-088	Hashigata	Institute of Innovative Research	Modeling Mechanical Strength Enhancement of Ti/Au Structure

PO-089	Bertana	Politecnico di Torino	Modeling	A passive two-way microfluidic device for low volume blood-plasma separation
PO-090	Zhenyu	Northeastern University	Modeling	The self-adaptive micro DMFC based on micro valve
PO-091	Nishidate	University of Aizu	Modeling	Blue-green light-emitting diode with patterned electrode: Spectral analysis
PO-092	Patole	Khalifa University of Science and Technology	Modeling	The effect of nano-metal contacts and semiconductor doping density on Schottky characteristics
PO-093	Sidorov	Moscow Institute of Physics and Technology	Modeling	Direct Monte-Carlo simulation of thermal depolymerization in hybrid e-beam lithography
PO-094	Marangoni	Technical University of Denmark	Modeling	Model-based Temperature Calibration for Thermoelectric Four-point Probe Measurements
PO-095	Liu	University of Science and Technology	Photonic systems	Near-field holography for a better phase mask
PO-096	Mao	university of science and technology	Modeling	Modeling of the Microfluidic Impact Print and Optimization of the microfluidic Cartridge
PO-097	Feng	Fudan university	Other	A novel metasurface tuned Si nanowire detectors
PO-098	Zhu	Fudan University	Other	structure for light enhancement in LEDs
PO-099	Zhu	Fudan University	Other	structure for light extraction enhancement in LEDs
PO-100	Tang	Tokyo Institute of Technology	Other	Thermal Stability of Electrodeposited Au-Cu Alloys
PO-101	Véliz	Polytechnic University of Catalonia	Other	Impedance spectroscopy of colloidal nanoparticles
PO-102	Rostami	Profactor GmbH	Other	Fast and cold sintering of ink-jettable copper ink on PET and Glass
PO-103	Drabiniok	TU Dortmund University	Other	Evaporation and cooling phenomena of defined micro structured surface pores
PO-104	Taboryski	DTU	Other	Roll-to-roll extrusion coating; high speed fabrication of nanotextured functional surfaces
PO-105	Bou	Institut National des Sciences Appliquées	Other	A 3D microdevice for the isolation of cancer associated circulating cells within the bloodstream
PO-106	Hrabovský	Tescan Brno, s.r.o.	Other	Inverse scatterers for IR band prepared by gallium FIB on transparent nonconductive substrate
PO-107	Staufer	Delft University of Technology	Other	3D-microfabrication by integrated sacrificial stencil mask
PO-108	Kulha	Profactor GMBH	Other	Printed Capacitive Level Measurement System Embedded in Organic Coatings
PO-109	Mastro Paolo	University of Edinburgh	Other	Fabrication and characterisation of electrospun polyurethane nanofibers for sensing applications
PO-110	Thakkar	University of Basel	Other	Fabrication of Nano-Apertures and Application in Near-Field Electron Beam Interference
PO-111	Domke	FH Vorarlberg	Other	Ultrafast-laser cutting of thin silicon and glass substrates
PO-112	Kafka	Inmold A/S	Other	High Speed Production of Microfluidic Systems in Thermoplastics using Roll-to-Roll Extrusion Coating
PO-113	Wang	CYCU	Packaging	Thermal Investigation of Ultrasonic Micro-Blower
PO-114	Kurashima	National Institute of Advanced Industrial Science and Technology	Packaging	All-sapphire Cs gas cell for miniature atomic clock fabricated using Au thin-film bonding
PO-115	Seok	C2N-CNRS-University Paris-Sud	Packaging	EFFECT OF SEALING RING FLATNESS ON PHOTSENSITIVE BCB POLYMER CAP TRANSFER PACKAGING
PO-116	Okulova	Technical University of Denmark	Packaging	Effect of hierarchy on CA hysteresis in hydrophobic polymer foils produced by R2R EC
PO-117	Okulova	Technical University of Denmark	Packaging	Producing undercut structures in a roll-to-roll process
PO-119	Stroebel	FH Vorarlberg	Photonic systems	Radiation profile of fs-laser structured fibers
PO-120	Trisno	Singapore University of Technology and Design	Photonic systems	Focusing Grating for Large Area Waveguide to Fiber Vertical Coupling
PO-121	Orlikovskiy	Bauman Moscow State Technical University	Photonic systems	High quality plasmonic sensors based on thin structured metal films.
PO-122	Chmielak	AMO GmbH	Photonic systems	Cost effective fabrication of integrated low loss thermo-optic switches with reduced switching power
PO-123	Wasisto	Technische Universität Braunschweig	Photonic systems	Point light sources based on pinhole InGaN/GaN microLED array for compact cell imaging systems
PO-124	Patil	University of Copenhagen	Photonic systems	Measuring Propagation Loss in Photonic-Crystal Waveguides Featuring a Symmetry-Protected Dirac Point
PO-125	Vazquez-Colon	The University of Texas at San Antonio	Photonic systems	Reconfigurable Metamaterials at THz Frequencies using Quantum Dots
PO-126	LE ROUX	Centre de Nanosciences et de Nanotechnologies	Photonic systems	Development of Ge-rich SiGe photonic integrated circuits for mid-IR spectroscopy
PO-127	Sekiguchi	Litho Tech Japan Corporation	Micro- and nano fluidic life	The Study of Bile Stent used Biomimetics
PO-128	Zhang	King Abdullah University of Science and Technology	Micro- and nano fluidic life	Uncommon Marangoni Circulation in Droplet on SHS
PO-129	Takishita	Toyohashi University of Technology	Micro- and nano fluidic life	Development of Chip-Based Microfluidic Device
PO-130	Tanagi	Toyohashi University of Technology	Micro- and nano fluidic life	Nozzle Array with Deterministic Cell Encapsulation
PO-131	Perozziello	University Magna Graecia of Catanzaro	Micro- and nano fluidic life	A passive microfluidic device for cell culturing
PO-132	Ishii-Teshima	Toyohashi University of Technology	Micro- and nano fluidic life	Development of microdroplet-based electroporation system for gene transfection

PO-133	Nishino	Ritsumeikan University	Micro- and nano fluidic life	Study of Tubes with Metamaterial Structures with Self-Purifying Effects
PO-134	Padeste	Paul Scherrer Institut	Micro- and nano fluidic life	Microfabricated silicon chip as lipid membrane sample holder for serial protein crystallography
PO-135	Shipulya	Saint-Petersburg National Research	Micro- and nano fluidic life	Research of gas circulation in closed loop with the microfluidic Wheatstone bridge
PO-136	Mogi	National Institute of Advanced Industrial Science and Technology	Micro- and nano fluidic life	Relation between pH distribution within an ion depletion zone and the repulsive force to exosome
PO-137	Thoppe Rajendran	Technical University of Denmark	Micro- and nano fluidic life	Lab-on-a-disc platform with an integrated potentiostat for real-time drug release monitoring
PO-138	Sorba	CSEM SA	Micro- and nano fluidic life	Viscoelastic response of epithelial cell monolayers
PO-139	Stroj	Vorarlberg University of Applied Sciences	Micro- and nano fluidic life	High wetting-contrast surfaces fabricated by fs-laser for microfluidics and bio-applications
PO-140	Choi	Louisiana State University	Micro- and nano fluidic life	An Impedimetric Sensor Based on Printed Circuit Board (PCB) for Phase Transition Detection
PO-141	Busk	Technical University of Denmark	Micro- and nano fluidic life	A Multistep Cell-free Protein Expression and Detection Assay on Microdroplet Arrays
PO-143	Kastania	NCSR "Demokritos"	Micro- and nano fluidic life	DNA purification using a polymeric microfluidic device with amine groups
PO-144	Bertelsen	Technical University of Denmark	Micro- and nano fluidic life	Impedance Flow Cytometry for microbial assays
PO-145	Serioli	Technical University of Denmark	Micro- and nano fluidic life	Centrifugal microfluidic platform for optical monitoring and treatment of biofilms
PO-146	LIU	PEKING UNIVERSITY	Micro- and nano fluidic life	A Flexible 2.5D Filter for Efficient Rare Tumor Cell Separation
PO-147	Cetin	Middle East Technical University	Micro- and nano fluidic life	Comparison of Various Techniques for EpCAM Antibody Immobilization on Gold Microfluidic Surface
PO-148	González-Quijano	Instituto Politécnico Nacional	Micro- and nano fluidic life	3D micropatterning devices for cell culture
PO-149	Mirosnikov	DTU	Micro- and nano fluidic life	Isolation of Exosomes using Viscoelastic Fluids in a Microfluidic Channel.
PO-150	Ganjan	TU Delft	Bio-inspired technologies and	The effects of RIE conditions on the characteristics of black titanium structures
PO-151	Onesto	University of Magna Graecia	Bioprinting and tissue engineering	Controlled assembly of neural cells networks on nano-patterned surfaces
PO-152	Hovádková	Tescan Brno, s.r.o.	Bioprinting and tissue engineering	Nanopatterning substrates for adhesion of stem cells
PO-153	Chen	University of science and Technology of China	Bioprinting and tissue engineering	Uniaxial Stretch promotes skeletal muscle regeneration within cell-laden fibers
PO-154	Kitsara	Sorbonne Université	Bioprinting and tissue engineering	Combining microcontact printing and cardiomyocytes for cardiac modelling of myofibrillar myopathy
PO-155	Onesto	University of Magna Graecia	Bioprinting and tissue engineering	3D micropatterns for the spatial regulation of mesenchymal condensation
PO-156	Park	Chonnam National University	Biosensors and prosthesis	Biodegradable polymer material based smart stent: Wireless pressure sensor and 3D printed stent
PO-157	Gentile	Federico II of Naples	Biosensors and prosthesis	Transforming diatomaceous earth into sensing devices by surface modification with gold nanoparticles
PO-158	Tai	National Chiao-Tung University	Biosensors and prosthesis	Assessment of TNF- α Levels with Hydrogel-Based Aptasensor in Noninvasive Technique
PO-159	Chang	National Chiao Tung University	Biosensors and prosthesis	A novel electronic assay for ultrasensitive detection of sol-gel transition based on hydrogel
PO-160	Tataridou	Democritus University of Thrace	Biosensors and prosthesis	Electrical characterization of metal/ a-SiC:H/Si MIS capacitors for DNA sensor application
PO-161	Wagner	Danube University Krems	Biosensors and prosthesis	Performance Optimization of a Histamine Detection System using electrochemical Simulations
PO-162	Natta	Istituto italiano di tecnologia	Biosensors and prosthesis	Ultrathin flexible AlN-based smart patch for vascular graft monitoring
PO-163	Yescas Gonzalez	Université Grenoble Alpes	Biosensors and prosthesis	Real time point-of-care IgE detection by absorption analysis of biofunctionalised microparticles
PO-164	Viehrig	Technical University of Denmark	Biosensors and prosthesis	Surface enhanced Raman spectroscopy (SERS) sensing in aqueous sample enabled by UV/ozone treatment
PO-165	Lee	Korea Electronics Technology Institute	Biosensors and prosthesis	Sensitivity improvement of electrochemical immunoassay utilizing magnetic nanoparticles
PO-166	Larsen	Technical University of Denmark	Biosensors and prosthesis	A resonant hollow MEMS device for multi-dimension analysis
PO-167	Müller	Basel	Biosensors and prosthesis	Molecular beam deposition of highly compliant nanometer-thin Au/elastomer composite electrodes
PO-168	Liu	University of Science and Technology of China	Biosensors and prosthesis	Fast three-dimensional Traction Force Microscope
PO-169	Jain	Indian Institute of Technology Hyderabad	Micro- and nano fluidic fabrication	Early Diagnosis of Bone Disease:MicrofluidicDevice
PO-170	Jokinen	Aalto University	Micro- and nano fluidic fabrication	ALD-assisted moulding for liquid repellency
PO-171	Morton	National Research Council Canada	Micro- and nano fluidic fabrication	Articulated Centrifugal Microfluidics: Initial Concepts to Industrial-scale Injection Molded Devices
PO-172	Moscatelli	IIT	Micro- and nano fluidic fabrication	2-photon lithography 3D microfluidic elements to assess sperm quality in a microfluidic channel
PO-173	Verlinden	Delft University of Technology	Micro- and nano fluidic fabrication	Multiple fluid handling at picolitre flowrates using a 2-channel hollow AFM cantilever
PO-174	Ngo	Technical University of Denmark	Micro- and nano fluidic fabrication	Integrated microstructures on chip for ultrasensitive pathogen detection
PO-175	Drabiniok	TU Dortmund University	Micro- and nano fluidic fabrication	Micro- and nano-patterning of pHEMA Hydrogel
PO-177	Mazzoni	Technical University of Denmark	Drug delivery devices	Distribution and quantitative analyses of drugs loaded by supercritical CO ₂ in microcontainers

PO-178	Mazzoni	Technical University of Denmark (I	Drug delivery devices	Microcontainers for oral protein delivery
PO-179	Cheng	National Chiao Tung University	Drug delivery devices	Iron Oxide Nanoparticle-Incorporated Supramolecular Hydrogel for Magnetically-Triggered Drug Release
PO-180	Jen	National Tsing Hua University	Drug delivery devices	NO-releasing Silk Composite Hydrogel System for Breast Cancer Combination Therapy
PO-181	Chronakis	Technical University of Denmark	Drug delivery devices	Enhanced transepithelial permeation of bioactives across Caco-2 cells using electrospun nanofibers
PO-182	Pires	INL - International Nanotechnolog	Drug delivery devices	Biodegradable microneedles – towards multi stage delivery
PO-183	Kage	Toyohashi University of Technolog	Other	Dynamic structural changes in collective motion
PO-184	Marini	King Abdullah University of Scienc	Other	DNA structural characterization: a novel approach
PO-185	Marini	King Abdullah University of Scienc	Other	Suspended DNA self-sieving over superhydrophobic surfaces: a Raman spectroscopy study.
PO-186	Moretti	KAUST	Other	One step cell membrane production on micropillars array.
PO-187	Moretti	KAUST	Other	AFM topography of cell membranes stretched over a super-hydrophobic surface.
PO-188	Vargas Estevez	Instituto de Microelectrónica de B	Other	Photovoltaic microcell array for electrical stimulation of excitable cells
PO-189	Vinje	Norwegian University of Science a	Other	Controlled surface topography and chemistry for cell studies
PO-190	Mølhav	DTU	Other	Micro fabricated membrane devices for ultra-fast temperature recording during plunge freezing
PO-191	Kanioura	NCSR "Demokritos"	Other	Enrichment of cancer cells from mixtures with normal ones upon culture on nanotextured PMMA surfaces
PO-192	Martinez-Rivas	Instituto Politécnico Nacional	Other	Automation of nanomechanical analysis on cell micropatternings by Atomic Force Microscopy
PO-193	Yamaguchi	University of Hyogo	3D manufacturing/replicati	Study on fabrication system of 3D printing
PO-194	Kurihara	National Institute of Advanced Ind	3D manufacturing/replicati	Anti-reflection imaging lens with nano-structure
PO-195	Haase	JOANNEUM RESEARCH Forschung	3D manufacturing/replicati	Step&Repeat Upscaling and R2R fabrication of microfluidic and microoptic elements
PO-196	Haapala	University of Helsinki	3D manufacturing/replicati	Advances in Optics and Integration Possibilities of 3D Printed Methacrylate Microdevices
PO-197	Horvath	Paul Scherrer Institut	3D manufacturing/replicati	Line width reduction of ink-jet printed metal wires on pre-patterned substrates
PO-198	Hokari	National Institute of Advanced Ind	3D manufacturing/replicati	Optical evaluation of printed optical metamaterials composed of silver nanoink
PO-199	Chiu	Chung Yuan Christian University	3D manufacturing/replicati	Using Self-Assembly Polystyrene Spheres to Fabricate of Micro-structures in Optical Diffuser Films
PO-200	Charania	Technical University of Dresden	3D manufacturing/replicati	Fabrication of end-to-end optical polymer waveguides for 3D chip integration
PO-201	Taira	The University of Tokyo	3D manufacturing/replicati	Effect of laser scan speed on cracks of WC-Co cemented carbides in selective laser melting
PO-202	Uddin	Technical University of Denmark	3D manufacturing/replicati	FDM-based 3D Printing of Microfluidic Discs with Multilayered Microchannels
PO-203	Kehagias	Catalan Institute of Nanoscience a	3D manufacturing/replicati	Fabrication of dynamic and reversible surfaces
PO-204	Vaut	Technical University of Denmark	3D manufacturing/replicati	Use of a polymeric sacrificial release layer in photopolymer-based micro-3D printing
PO-205	Chang	National Taiwan Normal Universit	3D manufacturing/replicati	Efficient model in prediction distortion of metal additive manufacturing
PO-206	Greer	The University of Glasgow	3D manufacturing/replicati	Introducing The World's Highest Resolution DLP 3D Printer
PO-207	Tomizawa	The University of Tokyo	3D manufacturing/replicati	Centrifugal molding method of carbon microstructure
PO-208	Eibelhuber	EVGroup	3D manufacturing/replicati	Integration of nanoimprinting into CMOS manufacturing line within the Inspire project
PO-209	Sousa	International Iberian Nanotechnol	3D manufacturing/replicati	Replication of submicron master structures using soft-lithography
PO-210	Johansson	NIL Technology ApS	3D manufacturing/replicati	Nanostructured and nanoreinforced injection moulded plastic part
PO-211	Si	Technische Universität Ilmenau	3D manufacturing/replicati	Multi-Level Diffractive Lenses on Convex Lens and the Patterning by Soft UV Nanoimprint Lithography
PO-212	Liu	University of Science and Technol	Bottom up methods	Nanostructures on photoresist by ion bombardment
PO-213	Biswas	University College Cork	Bottom up methods	Engineered Ge _{1-x} Sn _x (x =0.09-0.25) nanostructures via bottom-up fabrication
PO-214	Taboryski	DTU	Bottom up methods	Bottom up approaches for the fabrication of nanostructured functional surfaces
PO-215	Herrera Salazar	Aarhus University	Bottom up methods	SYMMETRIC DIMER FABRICATION BY HOLE-MASK COLLOIDAL LITHOGRAPHY
PO-216	Lebedkina	Technical University of Denmark -	Bottom up methods	Selective Area Growth of GaAs Nanowires on Silicon for photovoltaic applications
PO-218	Murillo	IMB-CNM (CSIC)	Bottom up methods	How to growth n-doped ZnO nanosheets by using patterned Aluminium-based layers
PO-219	Chen	National Institute of Standards an	Deposition	Area- Selective ALD Using Surface Patterning
PO-220	Tang	Tokyo Institute of Technology	Deposition	High Strength Gold-Copper Alloys for MEMS Devices
PO-221	YEOM	Sungkyunkwan University	Deposition	High-quality Co Film by using VHF PE-ALD

PO-222	Tsai	NATIONAL UNITED UNIVERSITY	Deposition	Improving transparency and hydrophobicity of quartz wafer via growing silica nanowire on the surface
PO-223	Czyba	TU Dortmund	Deposition	A novel method of enhancing sputtered Aluminium nitride thin-films by ellipsometric measurements
PO-224	Tsoukalas	NATIONAL TECHNICAL UNIVERSITY	Deposition	Hafnium Nanoparticles and Hafnium Nanoparticle Films formed in Vacuum
PO-225	Koole	VSPARTICLE	Deposition	Deterministically tuning nanostructured thin-film morphology
PO-226	lee	Sungkyunkwan University	Deposition	A study on the growth control of amorphous carbon layer using design parameters of showerhead
PO-227	Dallorto	Lawrence Berkeley National Labor	Etching	Ion energy measurements for Fluorocarbon ALE
PO-228	Jeevanandam	Delft University of Technology	Etching	Towards Cleanroom in an SEM
PO-229	BELHARET	Université de Franche comté	Etching	Deep reactive Ion Etching of Nb2O5/SiO2 multilayer structures for multispectral imaging devices
PO-230	Ren	Oxford Instruments	Etching	Fabrication of Low Loss Silicon Strip Waveguides Using Cryogenic Plasma Etching
PO-231	Kirchner	TU Dresden	Etching	Anisotropic wet etching of silicon dioxide using a metal mask and hydrofluoric acid
PO-232	Leber	Technische Universität Braunschweig	Etching	Optimization of the etch process of silicon double mirrors for use in micro optical gyroscopes
PO-233	Liddle	NIST	Etching	Ion Milling for Nanoscale Pattern Transfer
PO-234	Zhang	Harbin Institute of Technology	Etching	Behavior of water droplets on the superhydrophobic surfaces at high temperature
PO-235	Kim	Korea Institute of Machinery and	Lithography	Fabrication of Cudgel-shaped Nano Pillar (CNP) by Nanoimprint Lithography for SERS Substrate
PO-236	Hirai	Osaka Prefecture University	Lithography	Computational study on viscosity modulation in squeezed ultra-thin resin
PO-237	Mitteramskogler	PROFACTOR GmbH	Lithography	NIL based fabrication of nanoparticle dispersions
PO-238	Mitteramskogler	PROFACTOR GmbH	Lithography	Filling of Microchannels with Nanoparticle Inks
PO-239	Zimmer	Leibniz Institute of Surface Engine	Lithography	Patterning of PPA resist by laser and EBL writing
PO-240	Lee	Chung Yuan Christian University	Lithography	Automating deposition of PS Spheres on 4" Wafer
PO-241	Jung	Korea Institute of Machinery & M	Lithography	UV-Step&Repeat LTIL Systems with High Uniformity
PO-242	Nakamura	Tokyo University Of Science	Lithography	Fabrication of the antireflection structure on micro-lens array
PO-243	KAWAUCHI	Tokyo university of science	Lithography	Durability improvement of antireflection structure replica mold using high hardness UV-curable resin
PO-244	Mühlberger	Profactor GmbH	Lithography	Inkjet inks on nanoimprinted substrates
PO-245	Ono	Tokyo university of science	Lithography	Scratch durability evaluation of moth-eye structures made of high hardness UV-curable resin
PO-246	Honjo	Tokyo University of Science	Lithography	Flexible fine through hole electrodes for printed devices
PO-247	Verloy	Vrije Universiteit Brussel	Lithography	Exploring the limits of optical lithography with use of conventional technology
PO-248	Eibelhuber	EVGroup	Lithography	Combined Thick Resist Processing and Topography Patterning for Advanced Metal Plating
PO-249	Masciullo	Scuola Normale Superiore	Lithography	Perfluoropolyether intermediate molds for thermal NanoImprint Lithography.
PO-250	Kazazis	Paul Scherrer Institut	Lithography	High-resolution and high-efficiency nanopatterning with EUV achromatic Talbot lithography
PO-251	Horvath	Paul Scherrer Institut	Lithography	Wire-grid fabrication by particle self-confinement
PO-252	Mühlberger	Profactor GmbH	Lithography	Investigations on multilayer multimaterial Nanoimprinting
PO-253	Diewald	Karlsruhe Institute of Technology	Lithography	Bridge-free fabrication on sapphire revisited – pattern design and development
PO-254	van Kessel	TU Delft	Lithography	Simulation of quantum noise effects in electron-beam lithography
PO-255	Nilsen	Universität Ulm	Lithography	Post-modification of commercial atomic force microscopy probes by dry photoresist film lithography
PO-256	Zheng	Technical University of Denmark	Lithography	Reducing charging effects in electron beam lithography without using charge dissipation layer
PO-257	Okholm	Aarhus University	Lithography	Subtractive Hole-Mask Lithography
PO-258	Spagnolo	Isituto Italiano di Tecnologia	Lithography	Two-photon lithography of polymeric optical elements on the edge of tapered optical fiber
PO-259	Han	ETH Zurich	Lithography	Sideways fabrication of SU-8 hollow cantilevers and its potential as a single cell manipulation tool
PO-260	Hussain	CNR-IOM - Istituto Officina dei Ma	Lithography	Easy and up scalable method for high spatial resolution phosphor screen for x-ray detection
PO-261	Wang	PSI	Lithography	High-resolution and high-efficiency gratings for EUV and X-rays using spin-on-carbon underlayers
PO-262	Indykiewicz	Wrocław University of Science and	Lithography	Resistless patterning in SiO2 and Si3N4 for semiconductor device fabrication
PO-263	GOTO	Tokyo university of science	Lithography	Fabrication of polymer and metal petal structure by NIL and acceleration voltage modulation of EBL
PO-264	Linnert	University of Southern Denmark	Lithography	Transparent and conductive electrodes by large-scale nano-structuring of noble metal thin-films

PO-265	Diez	Heidelberg Instruments	Lithography	Advanced Optimization Methods for Grayscale Lithography
PO-266	Jung	University of Science & Technology	Lithography	2-Dimensional Laser Direct Patterning onto Wavy Surface using Astigmatic Autofocusing
PO-267	Laurén	Biolin Scientific	Lithography	Controlled deposition of colloidal mask for nanosphere lithography
PO-268	Silvestre	Technical University of Denmark	Other	Fabrication of HAR grating for X-ray imaging
PO-269	Merten	TU Dortmund University	Other	Effect of annealing on the electrical conductivity of polycrystalline Bi ₂ Te ₃ nanostructures
PO-270	Oza	Pandit Deendayal Petroleum Univ	Other	Investigation on Quartz Machining By TW-ECDM Process
PO-271	Striegel	Karlsruhe Institute of Technology	Other	Glassy carbon tools for high-T micro-replication
PO-272	Munehiro	The University of Tokyo	Other	Heat-assisted screen printing of high-aspect-ratio microstructure
PO-273	Takahashi	The university of Tokyo	Other	Modelling of droplet flow in laser cutting process of aluminum foil using particle method
PO-274	Agostini	Scuola Normale Superiore	Other	Versatile technique for polydimethylsiloxane (PDMS) microchannels bonding on plastic and metal
PO-275	Leifels	University of Wuppertal	Other	Characteristics of cracks in VUV-modified PDMS
PO-276	Piredda	Fachhochschule Vorarlberg	Other	Fabrication of PMN-PT piezoactuators with ultrashort laser pulses
PO-277	Nomura	National Institute of Advanced Ind	Other	Simple electrode formation onto textiles using screen-offset printing
PO-278	Alstrøm	Technical University of Denmark	Modeling	Mode tracking of resonators using a probabilistic model with Gaussian Process priors
PO-279	Shimura	the University of Tokyo	Other	Experimental study of micro-clearance blanking process of thin metal sheet
PO-280	DI	École Polytechnique Fédérale de L	Other	Sub-micro ferroelectric structures fabricated by lift-off method
PO-281	Wang	CYCU	Other	Flexible Multilayer Graphene Micro-Capacitors Using Ultrafast Laser Ablation
PO-282	Ogata	Tokyo University	Other	Real-time observation of progressing crack and stress analysis in glass laser cutting
PO-283	LEE	National Defense University	Other	Determination of optimum parameters and characterization of YAG:Ce fluorescent material
PO-284	Tada	National Institute of Technology, I	Other	Molecular dynamics study of electron irradiation effects on structural changes in 2D MoS ₂
PO-285	Midoh	Osaka University	Other	Effect of variance stabilization on denoising in electron hologram by wavelet hidden Markov models
PO-286	Messerschmidt	micro resist technology GmbH	Resists and materials	Imprints of photo-curable NIL resist «mr-NIL200»
PO-287	Zajadacz	Leibniz Institute of Surface Engine	Resists and materials	Selective nanopattern fabrication by direct laser annealing of diblock copolymers (BiCBP)
PO-288	Tähkä	University of Helsinki	Resists and materials	Thiol-ene photopolymerization without photoinitiators: Impact on surface and bulk properties
PO-289	Das	King Abdullah University of Scienc	Bio-inspired technologies an	Nanotextured coating-free surfaces for the entrapment of air under wetting liquids
PO-290	Ryspayeva	Heriot-Watt University	Resists and materials	A low cost method for the selective metallization of PDMS for flexible electronics application
PO-291	Elsukova	Technical University of Denmark	Resists and materials	5-nm-lines in Organic Ice Resists
PO-292	Yeh	National Tsing Hua University	Resists and materials	Fabrication of iron(III)-oxide nanoparticle/PDMS biomimetic structure for pick-and-place process
PO-293	Chenjün	Harbin Institute of Technology	Catalysis and microreactors	3D porous N-doped carbon based catalysts for oxygen reduction reaction
PO-294	Chenjün	Harbin Institute of Technology	Catalysis and microreactors	Phenolic resin based porous carbon doped with nitrogen and iron for oxygen reduction reaction
PO-295	Mingxue	Harbin Institute of Technology	Energy harvesting and storag	Design of Wearable Human Kinetic Energy Harvester
PO-296	Argyropoulos	Polytechnic School of Xanthi, Dem	Energy harvesting and storag	Electrochemical study and modeling of aCC with rGO coating as electrode for supercapacitors
PO-297	Oh	Hanyang University	Energy harvesting and storag	Optimization of electrospun nanofiber-based triboelectric nanogenerators using design of experiments
PO-298	Wang	Tsinghua University	Energy harvesting and storag	The rGO/Si Anode Fabricated by Using Lyophilization for Lithium Ion Batteries
PO-299	Soultati	NCSR Demokritos	Energy harvesting and storag	Highly-efficient and stable organic solar cells using a porphyrin cathode interfacial modifier
PO-300	Giannouli	National Centre for Scientific Rese	Energy harvesting and storag	Evaluation of high-k materials grown by Atomic Layer Deposition for triboelectric generators
PO-301	Lopez-Delgado	University of Texas at San Antonio	Energy harvesting and storag	Silicon Solar Cell Efficiency Improvement Employing Photoluminescent Properties of Chlorophyll A
PO-302	Lee	National United University	Food quality, safety and env	Capturing PM2.5 by nanowires grown on metal mesh
PO-303	Segkos	National Center for Scientific Rese	Food quality, safety and env	Influence of thermal annealing on the properties of Carbon Quantum Dots deposited on silicon wafers
PO-304	Wang	University of Southampton	Information and communic	(Ba,Sr)(Ti,Mn)O ₃ Film and Tunable Co-planar Waveguide for Microwave Phase Shifters
PO-305	Chausse	University of Bath	Micro- and nano-optics	Nano-engineering of III-Nitride materials
PO-307	Shkondin	Technical University of Denmark	Micro- and nano-optics	Hyperbolic metamaterials for mid-infrared sensing
PO-308	Yang	Zhejiang University	Micro- and nano-optics	High Angular Tolerant Color Filters

PO-309	Huang	National United University	Micro- and nano-optics	Growing graphene on Cu nanobumps for SERS
PO-310	Zhao	Technical University of Denmark	Micro- and nano-optics	Color generation via ebeam irradiating organic ice
PO-311	Stobbe	Technical University of Denmark	Micro- and nano-optics	Polymer encapsulation of photonic-crystal devices for quasi-monolithic single-photon sources
PO-312	Lancaster	TU Wien	Micro- and nano-optics	Investigating photoluminescence from core-shell nanowires grown on FIB-implanted Si(111)
PO-313	Shawrav	TU Wien	Micro- and nano-optics	Does gold purity affect plasmonic resonance? -photothermal analysis of direct-write nanostructures
PO-314	Guell	Instituto de Microelectronica de B	Micro- and nano-optics	Plasmonic nanomechanical infrared sensor with colorimetric readout
PO-315	Orłowska	Wrocław University of Science and	Micro- and nano-optics	Metrology and control of MEMS photon force devices
PO-316	Conde Rubio	Universitat de Barcelona	Micro- and nano-optics	Perfect plasmonic absorbers with extended time response based on geometrically frustrated arrays
PO-317	Tsoukalas	Imperial College	Micro- and nano-optics	Slow Light Slotted Photonic Crystal Waveguide for Gas Sensing at 1550 nm
PO-318	zhang	Tongji University	Micro- and nano-optics	Si metagrating for anomalous reflection at 1550 nm
PO-319	Awan	University of British Columbia	Micro- and nano-optics	GALLIUM NITRIDE ON GALLIUM OXIDE SUBSTRATE FOR INTEGRATED NONLINEAR OPTICS
PO-320	Vazquez-Colon	The University of Texas at San Ant	Nanomagnetism	Synthesis and Characterization of Superparamagnetic Iron Oxide Nanoparticles
PO-321	Farahbakhsh	University of Applied Science and	Nanomagnetism	Structure and Physical Properties of the Iron and Nickel Alloy Formed by Ball milling
PO-322	Zhang	National Institute of Advanced Ind	Physical/chemical sensors	Long-term measurement of a solid-state pH sensor
PO-323	Karl	University of Copenhagen	Physical/chemical sensors	Micromechanical Thermal Analysis for Pharmaceuticals
PO-324	Lee	Korea Electronics Technology Insti	Physical/chemical sensors	Fabrication and characterization of nanoFET sensor
PO-325	Skotadis	National Technical University of A	Physical/chemical sensors	Nanoparticle Gas-sensor for organophosphate pesticide detection
PO-326	Higashisaka	The University of Tokyo	Physical/chemical sensors	Small and sensitive force sensor based on contact resistance
PO-327	Giebel	TU Dortmund University	Physical/chemical sensors	Characterization of Nano-Vacuum Sensor
PO-328	Oh	Hanyang University	Physical/chemical sensors	Fabrication of stretchable capacitive multi-sensors using molten metal printing
PO-329	Chang	Chung Yuan Christian University	Physical/chemical sensors	Detection of sulfite using electrochemical paper-based chip modified by graphene oxide
PO-330	Choi	.Louisiana State University	Physical/chemical sensors	Detection of Underwater Pressure Vibrations with an Elastomer-Based Sensor
PO-331	Coluccio	University Magna Graecia of Catar	Physical/chemical sensors	Gold nanospheres from silicon nanoparticles: a kinetic study of an electroless process
PO-332	Fernandez-Cuesta	Hamburg University	Physical/chemical sensors	Novel functional polymer for on-chip surface enhanced Raman spectroscopy
PO-333	Zepeda-Galvez	University of Texas at San Antonio	Thermal properties of nano	Stability of Carbon Quantum Dots in the THz regime under Temperature Variations