

IVC-21 Poster Schedule

Thursday, July 4th



Abstracts are initially sorted per category, then within the category by Surname
If you have any questions, please contact oscar@mkon.se

1 Nanoscale Devices (NSD) and ICN+T

Poster number	Abstract ID	Name	Surname	Organization	Title
Thu-1	2650-A-1902	Subash	Adhikari	Center for Integrated Nanostructure Physics (CINAP)	Bandgap Renormalization in CsPbBr ₃ Perovskite Quantum Dot/MoS ₂ Heterostructure via Charge Transfer at Room Temperature
Thu-2	2203-A-1902	Kiyotaka	Asakura	Hokkaido University	X-ray absorption fine structure studies on surface limited redox replacement(SLRR) for Pt monolayer formation on Au single crystal surface
Thu-3	2664-A-1902	Hsuen-Li	Chen	National Taiwan University	enhance the true intrinsic spectral signals of suspended and pristine two-dimensional materials
Thu-4	2243-A-1902	Yu-Lun	Chueh	National Tsing-Hua University	Phase-engineered two-dimensional materials toward 2D/3D hybrid heterostructures
Thu-5	2550-A-1902	Abner	De Siervo	University of Campinas (UNICAMP)	Unraveling the Atomic Structure of Fe Intercalated under Graphene on Ir(111)
Thu-6	2575-A-1902	Namssoon	Eom	Lund University	Building superlattices from aerosol nanoparticles via evaporative self-assembly
Thu-7	2276-A-1902	Tamires	Gallo	Lund University	Using ambient pressure x-ray photoelectron spectroscopy to measure the spatial gas composition above a catalytic active surface
Thu-8	2150-A-1902	Ing-Shouh	Hwang	Academia Sinica	Low-energy electron point projection microscopy/diffraction study of suspended graphene
Thu-9	2430-A-1902	Chris	Judd	University of Nottingham	Characterisation of intermediate and product structures of an Ullmann-type reaction on Ag(111): A combined X-ray standing wave and scanning tunnelling microscopy study
Thu-10	2564-A-1902	Satoshi	Katano	Tohoku University	Nanoscale Study of Luminescence from a Thermally-reduced Graphene Oxide
Thu-11	2233-A-1902	Hyo Won	Kim	Samsung Advanced Institute of Technology	Unraveling the Structural and Electronic Properties of Graphene/Ge(110)
Thu-12	2765-A-1902	Taewan	Kim	Chonbuk National University	Few atomic layer MoS ₂ /InP heterostructure solar cell
Thu-13	2544-A-1902	Miroslav	Kolibal	Bno University of Technology	Formation of tungsten oxide nanowires by electron-beam-enhanced oxidation of tungsten disulfide
Thu-14	2286-A-1902	Jacek	Kolodziej	Jagiellonian University	Band structure of two dimensional electron gas at InAs(001) surface
Thu-15	2786-A-1902	Chun-Da	Liao	International Iberian Nanotechnology Laboratory	Growth Of Millimeter-Size Cvd Graphene Single Crystals Using Height-Confining Reaction Cavity
Thu-16	2305-A-1902	Martin	Magnusson	Linköping University	Chemical Bonding in MAX phases and MXenes Investigated by X-ray Spectroscopy and ab initio calculations
Thu-17	2626-A-1902	Martin	Magnusson	Linköping University	Electronic Properties of Transition Metal Dichalcogenides Investigated by X-ray Spectroscopy and Calculations
Thu-18	2170-A-1902	Leszek	Markowski	University of Wrocław	Characterization of the (In,Pb)/Si(111) systems
Thu-19	2646-A-1902	Tomáš	Musilek	Bno University of Technology	Sidopant incorporation in MBE-grown InAs nanowires
Thu-20	2665-A-1902	David	Nezval	Bno University of Technology	DFT study of gallium and water adsorption on free-standing graphene
Thu-21	2929-A-1902	Zebib Yenus	Nunu	University of South Africa	Structural, Optical And Electrical Properties Of TiO ₂ Solar Absorber Coatings Prepared By Electron Beam Evaporation
Thu-22	2912-A-1902	Cheng-Yun	Park	Sungkyunkwan University	Mechanism Of The Phase Transition Process Of The Polycrystalline Copper Surface And Single Crystal Graphene Growth
Thu-23	2667-A-1902	Jakub	Piastek	Bno University of Technology	Electrical properties of CVD graphene covered by gallium atoms
Thu-24	2774-A-1902	Joachim	Sestoff	University of Copenhagen	Hard gap hybrid materials for stronger topological superconductivity
Thu-25	2663-A-1902	Vojtěch	Švarc	Bno University of Technology	Mapping of charge distribution by Kelvin probe force microscopy on graphene field effect transistor at controlled relative humidity
Thu-26	2632-A-1902	Kristen	Svensson	Karlstad University	Quantifying crystallinity in carbon nanotubes and its influence on mechanical behaviour
Thu-27	2648-A-1902	Sara	Thorberg	Lund University	Supported aerosol nanoparticles for catalysis: design, durability and activity
Thu-28	2645-A-1902	Minh Dao	Tran	Center for Integrated Nanostructure Physics(CINAP)	Two-terminal multibit optical memory via van der Waals heterostructure
Thu-29	2307-A-1902	Neimantas	Vainorius	Lund University	Temperature Dependent Electronic Structure of Wurtzite GaAs Nanowires
Thu-30	2442-A-1902	Michelle Marie	Villamayor	Uppsala University	Sputter-deposited highly (001)-textured WS ₂ x films
Thu-31	1794-A-1902	Shuqiu	Wang	University of Oxford	Influence of the support on stabilizing local defects in strained monolayer oxide films
Thu-32	2584-A-1902	Nadine	Witkowski	Sorbonne University	Sputtering Damages in Metal Sulphide Dichalcogenides
Thu-33	2955-A-1902	Young Yoon	Yoon	Gachon University	Effect Of Specific Structure Of M-wc-Sn Composite Anode On Initial Reversibility And Cycle Behavior
Thu-34	2624-A-1902	Clemens	Barth	Aix-Marseille Université / CNRS	Oxygen intercalation in graphene encapsulated metal nanoparticles probed by work function measurements
Thu-35	2797-A-1902	Yi	Cui	Suzhou Institute of Nano-Tec and Nano-Bionics, Chinese Academy of Science	Surface Science Of Catalysis Research In Nano-X
Thu-36	2524-A-1902	Jose A.	Martin-Gago	icmm-csic	catalyst-free covalent coupling of nonfunctionalized organic molecules on-surfaces
Thu-37	2144-A-1902	Karel	Mašek	Charles University, Faculty of Mathematics and Physics	Structural and Chemical Reactivity Studies of Tungsten Oxide One-Dimensional Nanostructure
Thu-38	2841-A-1902	Aubrey Faith	Mella	University of the Philippines Diliman	Nanodefects Formation On Graphene Via Oxygen/Argon Plasma Treatment
Thu-39	2041-A-1902	Nan	Pan	University of Science and Technology of China	Probing exciton complexes and charge distribution in inkblot-like WS ₂ monojunction
Thu-40	2499-A-1902	Retu	Rani	CSIR- Central Scientific Instruments organisation	Adsorptive Removal of Ciprofloxacin from Aqueous Samples using Zr MOF
Thu-41	2539-A-1902	Amadeo L.	Vazquez De Parga	Universidad Autonoma de Madrid	Graphene catalyzes the reversible formation of a C-C bond between two molecules

2 Organic and Inorganic Thin Films and Coatings

Poster number	Abstract ID	Name	Surname	Organization	Title
Thu-42	2183-A-1902	David	Böhm	Vienna University of Technology	Prediction of composition and properties of sputtered multi-component coatings by an interactive raytracing software
Thu-43	2320-A-1902	Zhen	Cao	Lund University	Enhance boiling heat transfer performance by micro/nanostructures
Thu-44	2284-A-1902	Miha	Cekada	Josef Stefan Institute	Comparison of PVD coating topography at different deposition techniques
Thu-45	2279-A-1902	Hyo Sik	Chang	Chungnam National University	Plasma-enhanced Atomic Layer Deposition of Molybdenum Oxide using Molybdenum Hexacarbonyl and O ₂ Plasma for Silicon Solar Cells
Thu-46	2111-A-1902	Nak-Kwan	Chung	Korea Research Institute of Standards and Science	Determination of the hydrogen permeation characteristics of various polymers for hydrogen vehicle systems
Thu-47	2213-A-1902	Evgeny	Deulin	Bauman Moscow State Technical University	Effective Fuel Based on Tribology Physics
Thu-48	2042-A-1902	Guangyu	Du	Northeastern University	Damping Property of YSZ Coatings Prepared by Flame Spraying/EB-PVD
Thu-49	2059-A-1902	Guang Yu	Du	Northeastern University	Molecular dynamics simulation of erosion failure mechanism of thermal barrier coatings

Thu-50	2600-A-1902	Christian	Emanuelsson	Karlstad University	STM and XPS Studies of PtCDI on Sn/Si(111)-2V3×2V3
Thu-51	2426-A-1902	Smita	G. Rao	Linköping University	Influence of process parameters on CrFeCoCuNi multicomponent alloy films deposited by magnetron sputtering
Thu-52	2671-A-1902	Jyoti	Jaiswal	Indian Institute of Technology Roorkee	Structural and optoelectronic characteristics of co-sputtered ZnWO ₄ thin films prepared by sputtering method
Thu-53	2692-A-1902	Abdofreza	Kazemi Abadshapori	Kyuzeso University	Surface Modification of Polyurethane Sponge with Functionalized Silica Nanoparticles to Combat Oil Spills
Thu-54	2503-A-1902	Nataliya	Kiryi	Leibniz-Institut für Polymer Forschung	Interface engineering of p-doped layers with new family of hexacyano-[3]-radialene anion-radicals
Thu-55	2520-A-1902	Anton	Kiryi	Leibniz-Institut für Polymer Forschung	High Electron Affinity Molecular Dopant C ₆ N ₆ -CP for Efficient organic electronic devices.
Thu-56	2230-A-1902	Seungjion	Lee	Kyungheo University	Gas-Cluster Ion Beam Sputter Depth-Profile Study of Interface Mixing in Solution-Processed Organic Light-Emitting Diodes
Thu-57	2460-A-1902	Kuen-Song	Lin	Yuan Ze University	Catalytic gasification of pighair biowastes using nanophase NiO/Al ₂ O ₃ catalysts with hydrogen production
Thu-58	2074-A-1902	Soichiro	Matsunaga	Hlachi Ltd.	Bonding state analysis of zirconium-oxygen-coated tungsten (100) surface at 1500K
Thu-59	2654-A-1902	Takeo	Nakano	Seikei University	Optimization of Spindt-type emitter cathode shape prepared by high power pulsed magnetron sputtering: The effect of template cavity dimensions
Thu-60	2221-A-1902	Jongsong	Park	Samsung Electronics	Plasma Atomic Layer Etching of Silicon Dioxide Layers in Different Plasma Operation Modes
Thu-61	2603-A-1902	Manisha	Phadatare	Mild Sweden University	Silicon-Nanographite Aerogel-Based Anodes for High Performance Lithium Ion Batteries
Thu-62	2431-A-1902	Foqia	Rehman	Linköping University	Investigating the atomic layer deposition of TiO ₂ growth on InAs(100) using real-time monitoring by ambient pressure XPS with millisecond time resolution.
Thu-63	2137-A-1902	Christophher	Schutzzeichel	Leibniz Institut für Polymerforschung e. V.	Light induced deposition of polypyrrole on semiconductor surfaces
Thu-64	2061-A-1902	Toshimasa	Wadayam	Tohoku University	oxygen reduction reaction activity for surface-strain-controlled Pt(111) model shell surfaces
Thu-65	2382-A-1902	Binbin	Xin	Linköping University	Flexible Ca ₃ Co ₄ O ₉ /PPy particles/PEDOT: PSS hybrid thin films for thermoelectric applications
Thu-66	2583-A-1902	Tatiana	Franco Gómez	UNIVERSIDAD NACIONAL DE COLOMBIA	Wettability Properties of Pineapple Leaf Fibers and Banana Pseudostem Fibers Treated by Cold Plasma
Thu-67	2112-A-1902	Toshio	Kobayashi	NATIONAL INSTITUTE OF TECHNOLOGY, TSUYAMA COLLEGE	Delamination behavior in compression bending test of organic semiconductor device
Thu-68	2362-A-1902	John	Navarro Devia	Universidad Militar Nueva Granada	Tribological enhancement of a cutting process using Hafnium and Vanadium Nitride thin films as protective coating.
Thu-69	2298-A-1902	Ivan	Okseniuk	V. N. Karazin Kharkiv National University	SIMS study of hydrogen adsorption on TiFe alloy surface
Thu-70	2487-A-1902	Shankar Lal	Patel	Mohalanj Sukhadia University, Udaipur	Physical properties of MgCl ₂ activated CdSe thin films for solar cell applications
Thu-71	2014-A-1902	Nikolay	Plusnin	Institute of Automation and Control Processes of FEB RAS	Formation of a nanophase wetting layer under non-equilibrium conditions and the growth of a transition metal on silicon

3 Surface Science

Poster number	Abstract ID	Name	Surname	Organization	Title
Thu-72	2184-A-1902	Akira	Aiba	Tokyo Tech	Investigation on the metal filament formation process of the atomic switch
Thu-73	2720-A-1902	Jorge	Bañuls Ciscar	European Commission	A nano-scale analytical approach to the investigation of the heterogeneous oxidation of thermally aged cross-linked polyethylene insulated cables used in nuclear power plants
Thu-74	2573-A-1902	Vojtech	Calkovsky	CEITEC	Fabrication and characterization of GaN nanocrystals with a metal core
Thu-75	2212-A-1902	Istvan	Csarnovics	University of Debrecen	Patterning on photosensitive layers for photonic applications
Thu-76	2469-A-1902	Ana Maria	Ferraria	Universidade de Lisboa, IST	Silver nanoparticles on cellulose surfaces: quantitative measurements
Thu-77	2176-A-1902	Karolina	Idczak	University of Wrocław	Growth of thin Pt films on 4H-SiC(0001) and graphene/4H-SiC surfaces
Thu-78	2560-A-1902	Taishi	Imaizumi	Tohoku University	Development of nano-beam Weissenberg RHEED for nano- and micro-surfaces
Thu-79	2345-A-1902	Aydar	Irmikimov	NAIST	Observation in-growth nano film of beta-FeSi ₂ with reducing boundaries.
Thu-80	2652-A-1902	Iulia	Jumalon	University of the Philippines - Manila	Fabrication and characterization of polyaniline-chitosan hydrogels
Thu-81	2409-A-1902	Christian	Kaiser	Sigma Surface Science GmbH	Dynamic XPS Measurements for Observing and Monitoring Surface Reactions
Thu-82	2182-A-1902	Yury	Mikhlin	Krasnoyarsk Scientific Center of the Siberian Branch of the Russian Academy of Sciences	Enhanced-deficient "polysulfide" surfaces of metal sulfides: spectroscopic and DFT studies
Thu-83	2379-A-1902	Aranbta Daniell	Montallana	University of the Philippines	Metal-photocatalytic efficiency of visible light active PVA/Ag-TiO ₂ nanocomposites via plasma modification
Thu-84	2352-A-1902	Sohei	Nakatsuka	Tohoku Univ.	Surface structure analysis of micropatterned Si(110) by nano-beam Weissenberg Reflection High-Energy Electron Diffraction
Thu-85	2333-A-1902	Yaroslav	Odarchenko	University College London	Development of an ambient pressure microreactor for in situ soft XAS analysis
Thu-86	2226-A-1902	Zuzanna	Orzechowska	Jagiellonian University	2D electron gas on the surfaces of III-V semiconductor crystals
Thu-87	2472-A-1902	Liliany Noviyari	Pamasi	Nara Institute of Science and technology	Growth of Fe islands on Si(111)7x7 surfaces modified with ammonia
Thu-88	2850-A-1902	Bianca Rae	Pasela	Mapua University	Analysis on the effect of polyaniline and Lactic acid concentration on the Polyaniline-Chitosan film flexibility
Thu-89	2358-A-1902	Shozo	Suto	Tohoku University	Nonlinear etching process of Si(110) revealed by Kuramoto-Sivashinsky equation
Thu-90	2639-A-1902	Kathrina Lois	Taaca	University of the Philippines-Diliman	plasma-induced surface crosslinking of chitosan-acrylic acid hydrogel
Thu-91	2656-A-1902	Doebner Von	Tumstedt	Materials Science and Biophysics Group	spectroscopy and electrical conductivity of polyaniline-chitosan (PANI-Cs) composites produced via solution casting method
Thu-92	2402-A-1902	Soonho	Won	Korea Institute of Materials Science	Application of nanopositioner for magnetic resonance force microscopy
Thu-93	2235-A-1902	Hiroyuki	Yamamoto	National Institutes for Quantum and Radiological Science and Technology	non-destructive chemical depth profiling for thin film and buried interface by high-energy synchrotron radiation xps and xas
Thu-94	2180-A-1902	Eui-Sung	Yoon	Korea Institute of Science and Technology	Adhesion and friction at nanoscale: A correlation study
Thu-95	2777-A-1902	Yi	Cui	Suzhou Institute of Nano-Tec and Nano-Bionics, Chinese Academy of Science	Surface Science Of Catalysis Research In Nano-X
Thu-96	2113-A-1902	Yan-Gu	Lin	National Synchrotron Radiation Research Center	In situ X-ray spectroscopy in energy science

4 Technology

Poster number	Abstract ID	Name	Surname	Organization	Title
Thu-97	2234-A-1902	Hou	Jillei	Institute of Plasma Physics, Chinese Academy of Sciences	Development of cryogenic deuterium pellet injectors and experimental results for EAST Tokamak
Thu-98	2935-A-1902	Gwan-Ha	Kim	Daeduk University	Etching properties of cobalt oxide thin films by inductively coupled plasma
Thu-99	2589-A-1902	Alexander	Krasnov	BNP	Results on a vacuum chamber with amorphous carbon coating subjected to synchrotron irradiation from 12.5 to 1250 eV critical energy
Thu-100	2508-A-1902	Jörg	Kurdal	GSI	Status of the Super-Fragment Separator (Super-FRS) Vacuum System of the GSI future accelerator facility FAIR
Thu-101	2570-A-1902	Per	Petersson	KTH Royal Institute of Technology	Elastic Recoil Detection and 3He Nuclear Reaction Analysis of fusion reactor materials and isotopic tracers
Thu-102	2452-A-1902	Nils	Plambeck	DESY	Current and Future Improvements of the NEG Coating Test Facility at DESY: Pumping Speed Measurements
Thu-103	2702-A-1902	Ivan	Pongarc	GSI Helmholtzzentrum fuer Schwerionenforschung GmbH	Vacuum acceptance testing of integrated cryomagnetic dipole and quadrupole modules of the SIS100 synchrotron at FAIR
Thu-104	2301-A-1902	Luca	Rumiz	Elettra-Sincrotrone Trieste SCPA	Experiencing NEG technology on radio frequency (RF) cavities for the Elettra 2.0 project.
Thu-105	2712-A-1902	Chin	Shueh	National Synchrotron Radiation Research Center	Influence of reduced baking time of Taiwan photon source front-end system on dynamic pressure
Thu-106	2959-A-1902	Ricardo	Silva	Universidade Nova de Lisboa - Faculdade de Ciências e Tecnologia	Simulation of the influence of stray magnetic fields on the operation of a Bayard-Alpert ionisation gauge
Thu-107	2260-A-1902	Lukas	Urban	GSI Darmstadt	Actual status of the High Energy Beam Transfer (HEBT) for the FAIR accelerator
Thu-108	2380-A-1902	Magdalena Jr	Vasquez	University of the Philippines	Extraction and transport of broad hyperthermal Ar ion beams
Thu-109	2210-A-1902	Verena	Velthaus	GSI Helmholtzcenter for heavy ion research	Electron-stimulated desorption as quality control for annealing procedures
Thu-110	2097-A-1902	Xiaodong	Wang	Northeastern University	The effect of the throat structure on critical back pressure in the steam ejector

Thu-111	2096-A-1902	Xiaodong	Wang	Northeastern University	multi-parameter analysis on pumping performance of gas-liquid jet vacuum pump by numerical method
Thu-112	1882-A-1902	Xiaodong	Wang	Northeastern University	Thermodynamic model of the single-stage gradational lead screw vacuum pump used in the chemical engineering
Thu-113	2438-A-1902	Thomas	Weston	Science and Technology Facility Council	ISO9001 (QMS) and Vacuum System Support
Thu-114	2911-A-1902	Jong-Chang	Woo	Daeduk University	The Etching property of AlN Thin Film in the Film Bulk Acoustic Resonator Fabrication using a Inductively Coupled Plasma
Thu-115	2342-A-1902	Dimo	Yosifov	TRIUMF	Scroll pumps "on demand" usage for reduction of operating costs
Thu-116	2245-A-1902	Yaowei	Yu	Institute of Plasma Physics, Chinese Academy of Sciences, Hefei, P.R. China	Application of Direct-Current Glow Discharge Cleaning in 2 T strong magnetic field for fuel retention removal in EAST superconducting tokamak
Thu-117	2434-A-1902	Andrew	Chew	Edwards	Enhanced Scroll pump for very large volume and continuous high pressure operation
Thu-118	2449-A-1902	Adrian	Hannah	STFC	Determination of pumping properties and surface resistance of quaternary alloy of non-evaporable getter of TiZrVAg
Thu-119	2069-A-1902	Xiaodong	Wang	Northeastern University	research on transport characteristics of charged particles in sputtering ion pump
Thu-120	2068-A-1902	Xiaodong	Wang	Northeastern University	Optimization of geometry for sputter-ion pump by a multi-physics coupling simulation
Thu-121	2202-A-1902	Phe	Suherman	GSI Helmholtzzentrum fuer Schwerionenforschung GmbH	site acceptance test of the first batch of vacuum chambers for high energy beam transport
Thu-122	2622-A-1902	Elena	Suichkar	Bauman Moscow State Technical University	Molecular-Viscous Vacuum Pump (MVVN)
Thu-123	2261-A-1902	Andreas	Trützscher	VACOM Vakuum Komponenten & Messtechnik GmbH	High-temperature fiber optical feedthroughs and applications
Thu-124	2862-A-1902	Yong	Wang	University of Science and Technology of China	Testing the activation temperature of non-evaporable Ti-Zr-Hf-V getter films by XPS
Thu-125	2863-A-1902	Yong	Wang	University of Science and Technology of China	Testing the activation temperature of non-evaporable Ti-Zr-Hf-V getter films by X-ray photoelectron spectroscopy
Thu-126	2154-A-1902	Xiaodong	Wang	Northeastern University	Algorithm improvement for pumping characteristics of compound molecular pump
Thu-127	2443-A-1902	Fan	Zhao	Northeastern University	Thermodynamic Model of the Single-stage Gradational Lead Screw Vacuum Pump used in the Chemical Engineering

5 Semiconductor Materials and Devices

Poster number	Abstract ID	Name	Surname	Organization	Title
Thu-128	2479-A-1902	David	Barker	Lund University	Double quantum dots fully defined by polytype structures in semiconductor nanowires
Thu-129	2681-A-1902	Rafal	Ciechonski	Glo AB	Surface characterization of nanowire-based coalesced GaN layers for wafer development
Thu-130	2155-A-1902	Sven	Dorsch	Lund University	towards schottky defined p-type gasb quantum dot transport devices
Thu-131	2244-A-1902	Jonatan	Fast	Institution of Physics, Lund University	inAs nanowire devices for thermionic and hot-carrier energy conversion
Thu-132	2714-A-1902	Irene	Geijselaers	Lund University	ZnEG formation in doped polytype InP nanowires: an optical study
Thu-133	2621-A-1902	Iliki	Han	KIST	Study on surface potential of QD photodiode under illumination
Thu-134	2616-A-1902	Juan	Hernandez-Rosas	Instituto Politecnico Nacional UPITA	Optical transitions of spherical and spheroidal core-shell semiconductor quantum dots
Thu-135	2139-A-1902	Yongmin	Kim	Dankook University	Optical transitions of MAPtC3-xBrx
Thu-136	2324-A-1902	Abinaya	Krishnaraja	Lund University	Fabrication of Tunnel FETs demonstrating sub-thermal subthreshold slope
Thu-137	2673-A-1902	Mukesh	Kumar	Lund University	Three-terminal Hot Carrier Nanowire Devices
Thu-138	2555-A-1902	Ji-Yong	Park	Aju University	Investigating Charge Transfer Mechanisms in the Heterostructures of Two-Dimensional Materials
Thu-139	2446-A-1902	Lasse	Södergren	Lund University	Electron mobility studies of InGaAs III-V MOSFETs
Thu-140	2744-A-1902	Adriana	Garduño Medina	BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA	Quadratic electromechanical strain measurements on ferroelectric BiFeO3 films deposited by PLD
Thu-141	2195-A-1902	Peng-Hsuan	Huang	National Chiao Tung University	High performance of phototransistors based on ZnGa2O4 epilayer grown by MOCVD
Thu-142	2043-A-1902	Guneik	Jang	Chungbuk National University	Manganese-Doped Tin Oxide for Highly Flexible and Transparent Multilayer Electrodes with Index-Matching Layers
Thu-143	2728-A-1902	Monu	Mishra	NATIONAL PHYSICAL LABORATORY, INDIA	Influence of interfacial states on ZnO/GaN based schottky barrier UV photodetectors
Thu-144	2130-A-1902	Daniele	Stradi	Synsopsys Denmark	Work-function engineering in ultra-scaled 2D-TFET devices: an atomistic DFT-NEGF study.
Thu-145	2303-A-1902	Luit Fernando	Zagonel	"Gleb Wataghin" Institute of Physics, University of Campinas – UNICAMP	Study of nitrogen ion doping of titanium dioxide films

6 Materials and Devices for Life Sciences

Poster number	Abstract ID	Name	Surname	Organization	Title
Thu-146	2092-A-1902	Clementine	Darpenigny	CEA-Leti	Antimicrobial nanocellulose-based materials functionalized in supercritical carbon dioxide
Thu-147	2493-A-1902	Miguel	Manso Silvan	Universidad Autónoma de Madrid	From biosensor to photodetector; biomarker controlled fabrication of a photosensitive gold-nanoparticle/porous silicon device
Thu-148	2168-A-1902	Lingyin	Meng	Biosensors and Bioelectronics Centre	Tailoring physico-chemical properties of conducting polymer interface for sensing and biosensing
Thu-149	2478-A-1902	Vijayalakshmi	Rajendran	Lund University	Reduced retinal glial cell proliferation on nanowire arrays
Thu-150	2591-A-1902	Hiroshi	Sunami	University of Ryukyus	Development of a new taxis assay using micro-patterned scaffolds

7 Large Scale Facilities

Poster number	Abstract ID	Name	Surname	Organization	Title
Thu-151	2325-A-1902	Florian	Bertram	DESY	The high resolution diffraction beamline P08 at PETRA III
Thu-152	2579-A-1902	Giacomo	Ceccone	European Commission Joint Research Centre	Surface analysis of microplastic and microplastic mixtures exposed to fresh water.
Thu-153	2437-A-1902	Yang	Chen	MAX IV, Lunds Universitet	The Biological Laboratory at MAX IV
Thu-154	2516-A-1902	Giulio	D'acunto	Lund University	ALD of HfO2 on InAs: new insight by time-resolved in-situ studies
Thu-155	2634-A-1902	Peter	Magnusson	Lund University	Surface X-ray science analysis of large scale facility data using a scalable community-driven data-model
Thu-156	2427-A-1902	Alberto	Casu	King Abdullah University of Science and Technology	thermally-driven crystallization of titania amorphous nanotubes by in situ transmission electron microscopy
Thu-157	2369-A-1902	Ravi	Sharma	Lovely Professional university	Molecular Behaviour of thiamine hydrochloride moiety in aqueous mixtures of D-glucose and D-fructose at different temperatures