

IVC-21 Poster Schedule

Tuesday, July 2nd



Abstracts are initially sorted per category, then within the category by Surname

If you have any questions, please contact osca@mkon.se

1 Nanoscale Devices (NSD) and ICN+T

Poster number	Abstract ID	Name	Surname	Organization
Tue-1	2084-A-1902	Hyung Soo	Ahn	Korea Maritime and Ocean University
Tue-2	2085-A-1902	Hyung Soo	Ahn	Korea Maritime and Ocean University
Tue-3	2088-A-1902	Hyung Soo	Ahn	Korea Maritime and Ocean University
Tue-4	2968-A-1902	Narendra Prabhakar	Arasu	Czech Academy of Sciences
Tue-5	2372-A-1902	Virginia Boix De La Cruz	Bulbucan	Lund University
Tue-6	2319-A-1902	Claudiu	Bulbucan	Lund University
Tue-7	2661-A-1902	Acelle Pearl	Castillo	Mapua University
Tue-8	2225-A-1902	Procopios	Constantinou	University College London (UCL)
Tue-9	2212-A-1902	Istvan	Csarnovics	University of Debrecen
Tue-10	2433-A-1902	Lars	Dasil	PTB
Tue-11	2300-A-1902	Petra	Grantzer	University of Graz
Tue-12	2558-A-1902	Lukas	Hrachovina	Lund University
Tue-13	2360-A-1902	Fumio	Komori	The University of Tokyo
Tue-14	2435-A-1902	Bogdan	Kowalski	Institute of Physics, Polish Academy of Sciences
Tue-15	2156-A-1902	James	Lawrence	Donostia International Physics Center
Tue-16	2146-A-1902	Sunghun	Lee	Sejong University
Tue-17	1708-A-1902	Ruyang	Li	Beihang University
Tue-18	2782-A-1902	Ko-Wo	Lin	National Cheng Kung University
Tue-19	2787-A-1902	Mahapatra	Lin	University of Illinois at Chicago
Tue-20	2334-A-1902	Maria E	Messing	Lund University
Tue-21	2853-A-1902	Thi Ngoc Ha	Nguyen	Surface Analysis Group, Institute of Physics, TU Chemnitz
Tue-22	2606-A-1902	Therese	Olsson	Lund University
Tue-23	2164-A-1902	Calle	Preger	Lund University
Tue-24	2582-A-1902	Luca	Repetto	UNIVERSITA' DEGLI STUDI DI GENOVA
Tue-25	2194-A-1902	Ashin	Shaj	Slovak Academy of Sciences
Tue-26	2769-A-1902	Ana	Silva	Universidade Nova de Lisboa, FCT-Nova
Tue-27	2374-A-1902	Markus	Snellman	Lund University
Tue-28	2576-A-1902	Markus	Snellman	Lund University
Tue-29	2229-A-1902	Toshio	Takeuchi	National Institute of Technology, Sendai College
Tue-30	2838-A-1902	Toshio	Takeuchi	National Institute of Technology, Sendai College
Tue-31	2607-A-1902	Evgenia	Valcheva	Sofia University
Tue-32	2171-A-1902	Shuqiu	Wang	University of Oxford
Tue-33	2637-A-1902	Rasmus	Westerström	Synchrotron Radiation Research
Tue-34	2115-A-1902	Chih-Wen	Yang	Academia Sinica
Tue-35	2872-A-1902	Insh	Yeo	Pusan National University
Tue-36	2489-A-1902	Kamukumar	Chinnakutti	Sathyabama Institute of Science and Technology
Tue-37	2220-A-1902	Xiaofeng Xue	Yao	University of Science and Technology of China
Tue-38	2488-A-1902	Roman	Emel'yanenko	Bauman Moscow State Technical University
Tue-39	2160-A-1902	Andrea	Falqui	King Abdullah University of Science and Technology (KAUST)
Tue-40	2693-A-1902	Vladimir	Kolosov	Ulri Federal University
Tue-41	2292-A-1902	Jaeyoung	Lim	Sungkyunkwan University
Tue-42	2670-A-1902	Gaurav	Malik	IIT Roorkee
Tue-43	2668-A-1902	Satyendra	Maurya	Orissa
Tue-44	2749-A-1902	Richard	Onofre	Claremont Avocado University
Tue-45	2554-A-1902	Nikolay	Plusnin	Institute of Automation and Control Processes of FEB RAS
Tue-46	2412-A-1902	Shams Ur	Rahman	COMSATS University Islamabad
Tue-47	2852-A-1902	Muhammad Rauf	Shahzad	National Institute of Vacuum Science and Technology (NNVAST)
Tue-48	2296-A-1902	Luiz Fernando	Zagonel	"Gleb Wataghin" Institute of Physics, University of Campinas – UNICAMP

Title
Characteristics of AlN epilayers grown by mixed-source hydride vapor phase epitaxy
Properties of AlGaN/GaN epilayers grown by HVPE method
Mixed-source hydride vapor phase epitaxy method for the growth of AlN nanowires
Conductance Of Aromatic And Antiaromatic Molecules
Towards two-dimensional Van Der Waals stacked heterostructures via Electron Assisted Growth
magnetic properties of aerosol Fe87.5Cr12.5 ferrite nanoparticles generated by spark ablation
Synthesis and Characterization of Polyamine-Chitosan Composite Film
Reduced dimensionality effects in two-dimensional electronic silicon
Investigation of the thermally generated Au/Ag nanoparticles for SERS and LSPR applications
Self-organization of silicon surfaces for the production of nanoscale standards
Magnetic and optical properties of metal filled luminescent porous silicon
Surface Passivation Study of Single InP Nanowire Solar Cells
Dynamic heterointerface formation in magnetic few monolayers
Optical and electrical properties of (Al)Ga(In)GaLED structures in nanowires with switching growth polarity
The susceptibility of (3,1) chiral graphene nanoribbons to oxidation via air or oxygen exposure
Vanadium based two-dimensional materials
Synthesis and Photocatalytic Activity of BiOBr Hierarchical Structures
Tuning Magnetic Properties Of Cu/Ni Multilayers With Pnm Thin Films And Annealing Processes
Probing Intermolecular And Molecule-Substrate Interactions At Angstrom Scale By Ultrahigh Vacuum Tip-Enhanced Raman Spectroscopy
Iron-based magnetic nanoparticles by spark ablation
Stm And Conduction Experiments With Single Helical Molecules
Effects of photovoltaic nanowire arrays on human cancer cells
Magnetic field-assisted chain formation of aerosol nanoparticles
Emergence of form birefringent nanostructures during the ion irradiation of thin films
3d quantum dot superlattice formation - real time x ray scattering study
Atomically controlled growth of high current interest functional semiconductor systems.
Core-shell Cu-Ag Nanoparticles Produced by Spark Discharge Generation
INSB Nanoparticles Produced by Spark Discharge Generation
Nanostructure Ga2O3/SiO2 by the magnetron sputtering
Nanostructure Si/SiO2 by the magnetron sputtering
Microwave plasma fabricated free-standing N-graphene sheets: electrical conductivity
Maximising the resolving power of the scanning tunneling microscope
Magnetic and structural properties of one-dimensional arrays of endofullerene single-molecule magnet peapods
direct comparison between subnanometer hydration structures on hydrophilic and hydrophobic surfaces via three-dimensional scanning force microscopy
Post-Thermal Induced Recrystallization In GaAs/Pd3Ga40.7As Quantum Dots Grown By Droplet Epitaxy With Near-Unity Stoichiometry
ZnSe/Ni by RF magnetron sputtering: A potential photovoltaic absorber for thin film solar cell
In-Situ Cu- plus AFM/STM characterization of the TiO2(111)-(1 x 4) Surface
Gas Transporting Tubes Failure Prediction
The influence of crystal structure in the development of magnetic nanosized mixed iron oxides by cation-exchange
Translational crystal growth in thin amorphous films: "vacuum epitaxy" for lattice-rotation nanoengineering
Successive direct stacking of CVD synthetic graphene for twisted van der Waals heterostructures
Surface modification of sputter deposited monolonic WO3 thin film for scaled electrochromic behavior
Study on silicon carbide based metal oxide semiconductor capacitor with magnetron sputtered ZrO2 high-k gate dielectric
Green synthesized silver nanoparticles for photodegradation of orange II in fruit's post-harvest spoilage
Nanophrase wetting layer and formation of the metal/silicon contact
Templated ordering of C60 and C70 fullerenes on reconstructed SrTiO3(111) surfaces
Transition Of Excitons And Interlayer Relaxation In Two-Dimensional Synthesis Cux/Mos2 Heterostructure
A new STM-induced light emission apparatus applied to the study of 2D materials

2 Organic and Inorganic Thin Films and Coatings

Poster number	Abstract ID	Name	Surname	Organization
Tue-49	2199-A-1902	Sheng-Chi	Chen	Ming Chi University of Technology
Tue-50	2200-A-1902	Sheng-Chi	Chen	Ming Chi University of Technology
Tue-51	2075-A-1902	Manuel P.	Dos Santos	University of Évora - ICT - Institute of Earth Sciences - Évora
Tue-52	2371-A-1902	Erik	Ekström	Linköping University
Tue-53	2705-A-1902	Abdozeer	Kazemi Abadshapoori	Shiraz University
Tue-54	2063-A-1902	Simon	Kos	University of West Bohemia
Tue-55	2136-A-1902	Eiji	Kusano	Kanazawa Institute of Technology
Tue-56	2076-A-1902	Eiji	Kusano	Kanazawa Institute of Technology

Title
Microstructures and perpendicular magnetic properties of Co-rich Co-Pt multilayer films
Microstructures and optical properties of NiO films deposited by HIPIMS
B2O3 films prepared by rf reactive magnetron sputtering
Growth, characterisation and thermoelectric properties of CaMn1-xMbxO3 (x = 0 - 0.1) thin films.
Robust Superhydrophobic/Superoleophilic Nanomaterial Coated Porous Medium for Selective Separation and Expulsion of Oil Pollutants from Water
New sputtering technology based on strongly non-equilibrium process
Model calculation of competitive formation and etching of compound layer on target surface in reactive sputtering
Aesthetic multilayered thin film coatings on Japanese traditional paper "Washi"

Tue-57	2246-A-1902	Bih-Show	Lou	Chang Gung University	Bioelectroplating and mechanical property evaluation of Zn-Ti-Si thin film metallic glasses grown by a hybrid high power impulse and radio frequency magnetron sputtering system
Tue-58	2349-A-1902	Osamu	Maida	Osaka University	Transient photopotacence measurement for characterization of deep defects in B-doped diamond films
Tue-59	2631-A-1902	Koichi	Takaki	Iwate University	Characterization of diamond-like carbon films prepared by bipolar-type plasma-based ion implantation and deposition
Tue-60	2463-A-1902	Stanislav	Novak	J. E. Purkinje University	Evaluation of Composite Film Morphology by Image Analysis
Tue-61	2116-A-1902	Aleksandra	Naga	Silesian University of Technology	Self-cleaning glass surfaces based on chemically grafted photosensitizers
Tue-62	2960-A-1902	Hoon-Jung	Oh	Yonsei University	Selective Epitaxial Growth Of Si Using Atmospheric Pressure Plasma-Enhanced Chemical Vapor Deposition
Tue-63	1884-A-1902	Michal	Prochazka	University of West Bohemia	Tunable Mo-O(N) films prepared using reactive deep oscillation magnetron sputtering
Tue-64	2172-A-1902	Rui	Shu	Linköping University	Effects of deposition temperature on microstructure and properties of multicomponent Ti-Nb-Zr-Ta nitride coatings
Tue-65	2627-A-1902	Thomas	Tom	Universitat de Barcelona	Reactive Magnetron Sputtering of ZnO:Al and application to ZnO:Al/Ag:ZnO:Al structures
Tue-66	2970-A-1902	Blanca	Zendejas	ESFM-IPN	Study Of The Photoreflectance Of Thin Films Of Gan Grown On Gaas (001) Substrates Using The Mbe Technique.
Tue-67	2441-A-1902	León	Zendejas Medina	UPSA University	Mechanical Properties and Corrosion Resistance of Magnetron Sputtered Co-Cr-Fe-Mn-Ni-C Thin Films
Tue-68	2312-A-1902	Yong	Zhihua	Lund University	Unravelling uniaxial strain effects on electronic correlations, hybridization and bonding in transition metal oxides
Tue-69	2313-A-1902	Yang	Zhihua	Lund University	Ti1-xSnO2 Nanofilms - Layer-by-layer Deposition with extended Sn solubility and Characterization
Tue-70	2593-A-1902	Ravikant	Adabi	Indian Institute of Technology Roorkee	Metal nitride nanoflake thin films grown by δ_2 -magnetron sputtering for high-performance supercapacitor applications
Tue-71	2747-A-1902	Murad	Ali Khakhkhal	university of sindh	study of Interfacial Reaction and structural Properties of HfSO ₂ /Si Film Gate Dielectric Prepared by RF Sputtering Deposition
Tue-72	2613-A-1902	Christopher Joseph	Capul	University of the Philippines Manila	Minimum layers for graded-index porous silicon anti-reflective coating
Tue-73	2095-A-1902	Libin	Gao	University of Electronic Science and Technology of China	Dielectric tunable Bi2O3-MgO-Nb2O5 thin films
Tue-74	2549-A-1902	Rachid	Gheriani	University of Ouargla	Elaboration and characterization of undoped and La doped ZnO thin films by the spray pyrolysis technique
Tue-75	2309-A-1902	Chuan-Sheng	Hung	National Taipei University of Technology	Polymer Membrane device for the application of air dehumidification
Tue-76	2581-A-1902	Yue	Ma	Northwestern Polytechnical University	Integrated Sandwich-Like Battery Design for Rechargeable Energy Storage: Optimizing the Compatibility of the Flexible Electrodes
Tue-77	2962-A-1902	H. W.	Seo	Jeju National University	Controlled Growth Of Titanium Oxide Thin Films With A Different Oxygen Flow And Discharge Current In Reactive Dc Magnetron Sputtering
Tue-78	2510-A-1902	Bingqing	Wei	University of Delaware	Enhanced Tunable Light Harvesting in Nanostructured Si Arrays Based on Double-Quarter-Wavelength Resonance
Tue-79	2813-A-1902	Detian	Li	Lanzhou Institute of Physics	Field emission properties of carbon nanotube cathode grown on different substrates

3 Surface Science

Poster number	Abstract ID	Name	Surname	Organization	Title
Tue-80	2255-A-1902	Sergey	Akimenko	Omsk State Technical University	detailed lattice models: filling the gap between dft calculations and experimental surface science
Tue-81	2274-A-1902	Laura	Astoreca	Chert University	Cold plasma activation of BPDA-PPD polyimide for improved biocompatibility
Tue-82	2486-A-1902	Jacopo	Baima	CNRS - INSP, Paris, France	Ab initio study of zinc silicate surfaces and interfaces
Tue-83	2399-A-1902	Ricardo	Brancher	AIX Marseille Institute	Kinetic approach for simulation of gas adsorption-desorption phenomena
Tue-84	2853-A-1902	Yoshi-Hyo	Shinji	Saitama University	Mesoporous NiO@TiO ₂ Core-Shell Composite Nanoparticles with Improved Durability against Electrochemical Degradation
Tue-85	2107-A-1902	Chao-Lung	Chiang	National Synchrontron Radiation Research Center	Zinc and cobalt azolate frameworks from acid-catalyzed synthesis for CO ₂ adsorption and separation
Tue-86	2723-A-1902	Lars	Daul	Physikalisches-Technische Bundesanstalt	Microscopic investigation of the lateral distribution of surface potentials
Tue-87	2713-A-1902	Hubert	Dawczak-Dębkicki	Adam Mickiewicz University in Poznań	FeO on Ag(111): Growth, structure and work function determination
Tue-88	2573-A-1902	Evgeny	Deulin	Bauman Moscow State Technical University	Gas Transporting Tubes Failure Prediction
Tue-89	1792-A-1902	Wilson Agericio	Diño	Osaka University	hydrogen induced caesium desorption from caesium sputtered tungsten (110) surface
Tue-90	2080-A-1902	Anastassia	Fadeeva	Omsk State Technical University	A lattice model of 1,3,5-trisubstituted/benzene/copper adsorption layer on Au(111) surface: phase diagram and Monte Carlo simulation
Tue-91	2078-A-1902	Vitaly	Gorbovan	Omsk state technical university	A model of coordination self-assembly of Fe-terephthalate on Cu(100) surface
Tue-92	2236-A-1902	Kenya	Haga	Tohoku University	STM/STS study on local electronic states of H ₂ Si(110)-(1x1) surface
Tue-93	2271-A-1902	Tsaymona	Kayamova	Omsk State Technical University	Investigation of the adsorption of nitrogen and ammonia on the surface of V3C2 using the methods of density functional theory and statistical physics.
Tue-94	2032-A-1902	Katsuyoshi	Kobayashi	Ochanomizu University	Construction of inverse LEED states using results of repeated slab calculations
Tue-95	2609-A-1902	Lukás	Kormoš	Brno University of Technology	N-TCNO molecular network on the graphene
Tue-96	2605-A-1902	Anton	Makoveev	CITEC BUT	Thermally- and electron-induced self-assembly of biphenyl-4,4'-dicarboxylic acid on Ag(111)
Tue-97	2682-A-1902	Jun	Nara	National Institute for Materials Science	Theoretical study on surface structures of S/Ni(110)
Tue-98	2565-A-1902	Tomas	Skala	Charles University, Faculty of Mathematics and Physics	Hydrogenation of methanol on pure and transition-metal-doped cerium tungstate metal catalysts
Tue-99	2237-A-1902	Kazuki	Uchida	Tokyo University of Science	Thermal effect on laser-assisted field evaporation from Si(110) surface: A time-dependent first-principles theory combined with molecular dynamics simulation
Tue-100	2601-A-1902	Lukasz	Walczak	WALCASP s.p. z o.o.	Recent development in XPS and Ambient Pressure XPS techniques
Tue-101	2580-A-1902	Brian	Walls	Trinity College Dublin	Oxidation of the NiO termination on Nb(110)
Tue-102	2315-A-1902	Hyon	Xiang	Trinity University	Linear array of cesium atoms on Au(111) surface: dominated by ureal molecules via electrostatic interactions on Au(111)
Tue-103	2039-A-1902	Heon	Kang	Seoul National University	Reactions in cryogenic ice films: Enhanced dissociation of acids by configurational interaction of mobile protons in ice
Tue-104	2108-A-1902	Hangil	Lee	Sookmyung Women's University	Change of Catalytic Performance of metal-doped SnO ₂ Nanoparticles: Size Dependence
Tue-105	2179-A-1902	Chhayabrita	Maj	Institute of Chemical Technology-IndianOil Odisha Campus	Electronic structure of disordered Ni-Mn-Sn
Tue-106	2494-A-1902	Abd Elwahab	Rajeh Alouly	Amran university	Effect of single walled carbon nanotubes on the thermal and mechanical properties of polyurethane/ polyvinyl chloride blend
Tue-107	2167-A-1902	Evgenin	Tyutyukin	BMSU	Radioactive Emissive Phenomena on Contacting Surfaces
Tue-108	2032-A-1902	Katsuyoshi	Kobayashi	Ochanomizu University	Construction of inverse LEED states using results of repeated slab calculations

4 Technology

Poster number	Abstract ID	Name	Surname	Organization	Title
Tue-108	2391-A-1902	Dechun	Ba	Northeastern University	Multifunctional vacuum dry pump test bench control system
Tue-109	2425-A-1902	Matthias	Bernien	PTB	Temperature distribution on the active surfaces of Bayard-Alpert type ionization-gauges
Tue-110	2595-A-1902	Javaid	Bhatti	International Vacuum Center (Pvt) Ltd	Vacuum Technology in Pakistan
Tue-111	2633-A-1902	Jon Tomas	Gudmundsson	University of Iceland	Oblique deposition of nickel thin films by HIPIMS
Tue-112	2099-A-1902	Xiaodong	Wang	Northeastern University	study the influence of operating parameters on the ejector in the absorption-ejector combined refrigeration system
Tue-113	2699-A-1902	Lars	Hellberg	Chalmers University of Technology	Design and application of an inert stagnation detector for sticking measurements of highly reactive gases.
Tue-114	2760-A-1902	Greg	Herman	Oregon State University	Radiation and Thermal Chemistries of Organotin Cluster Based Extreme Ultraviolet Resists
Tue-115	2384-A-1902	Yohel	Inana	Gaushan University	Measurement of the adsorption isotherms and the mean residence time of O ₂ physisorbed on a cold copper surface
Tue-116	2347-A-1902	Nobuhiko	Kawakita	Tohoku University	Mechanism of subnanometer-level flattening of Cu surfaces with low-energy Xe ⁺ ions
Tue-117	2867-A-1902	Munshi	Kim	Samsung Electronics	Study about improvement of hole distortion and side wall slope in HAR etching using RF pulse and frequency control
Tue-118	2215-A-1902	Leon	Kirsch	GSF Helmholtzcenter for heavy ion research	Desorption of frozen CO-clusters
Tue-119	2251-A-1902	Ji Won	Lee	sungkyunkwan univ.	Growth of epitaxial silicon carbide films by metal-organic chemical vapor deposition and their optical properties
Tue-120	2135-A-1902	Hyo-Chang	Lee	Korea Research Institute of Standard and Science	Title: Coupling of plasma power and electron temperature in RF plasmas
Tue-121	2240-A-1902	Kun	Liu	Northeastern University	study on pumping performance of multi-stage vacuum pump rotors of different stages
Tue-122	2241-A-1902	Kun	Liu	Northeastern University	investigations on internal temperature field analysis and control mechanism of screw vacuum pump
Tue-123	2242-A-1902	Kun	Liu	Northeastern University	comparative study on the influence of different screw rotors on the pumping performance of screw vacuum pump

Tue-124	2429-A-1902	Kun	Liu	Northeastern University
Tue-125	2981-A-1902	Alexander	Marsteller	Karlsruhe Institute of Technology
Tue-126	2197-A-1902	Tatiana	Eikhvald	D.I. Mendeleev Institute for Metrology (VNIIM)
Tue-127	1728-A-1902	Alkeyev	Semenov	Bukher Institute of Nuclear Physics
Tue-128	2432-A-1902	Wei	Sun	Beijing Institute of Spacecraft Environment Engineering
Tue-129	2119-A-1902	Alexandros	Tsimpoukis	University of Thessaly
Tue-130	2763-A-1902	Martin	Vicar	Czech Metrology Institute
Tue-131	2109-A-1902	Xiaodong	Wang	Northeastern University
Tue-132	2404-A-1902	Martin	Zelan	RISE Research Institutes of Sweden
Tue-133	2267-A-1902	Jiayin	Zhang	
Tue-134	2766-A-1902	Tianyou	Feng	Lanzhou Institute of Physics
Tue-135	2153-A-1902	Subrata	Jana	Institute For Plasma Research
Tue-136	2776-A-1902	Lei	Qi	Beijing Institute of Spacecraft Environment Engineering
Tue-137	2117-A-1902	Tariq	Sattar	National Institute of Vacuum Science & Technology (NINVAST),

5 Semiconductor Materials and Devices

Poster number	Abstract ID	Name	Surname	Organization
Tue-138	2706-A-1902	Fancisco Servando	Aguire-Tostado	Centro de Investigación en Materiales Avanzados CS
Tue-139	2724-A-1902	Mmapula	Baloi	University of the Witwatersrand
Tue-140	2104-A-1902	Hyungkoun	Cho	Sungkyunkwan University
Tue-141	2621-A-1902	Il Ki	Han	KIST
Tue-142	1809-A-1902	Tae Geun	Kim	KOREA UNIVERSITY
Tue-143	2175-A-1902	Eun Kyu	Kim	Hamyang University
Tue-144	2056-A-1902	Hsin-Ying	Lee	National Cheng Kung University
Tue-145	2762-A-1902	Ellen	Moons	Karlstad University
Tue-146	2422-A-1902	Ana Lucia	Pinto	Faculdade de Ciências e Tecnologia - NOVA University
Tue-147	2147-A-1902	Joana	Ribeiro	Universidade de Minho
Tue-148	2731-A-1902	Pornsawan	Sikam	KHON KAEN UNIVERSITY
Tue-149	2062-A-1902	Wen-Tuan	Wu	Southern Taiwan University of Science and Technology
Tue-150	2709-A-1902	Young Joon	Yoo	INVISIBLE Inc
Tue-151	2710-A-1902	Young Joon	Yoo	INVISIBLE Inc
Tue-152	2669-A-1902	Husam	Alshareef	King Abdullah University of Science and Technology (KAUST)
Tue-153	2779-A-1902	Antonio	Ferreira Da Silva	Universidade Federal da Bahia
Tue-154	2964-A-1902	Sun Hee	Kim	Incheon National University

6 Materials and Devices for Life Sciences

Poster number	Abstract ID	Name	Surname	Organization
Tue-155	2686-A-1902	Anna	Du Rietz	Linköping University
Tue-156	2789-A-1902	Joana	Guerreiro	INL - International Iberian Nanotechnology Laboratory
Tue-157	2696-A-1902	Kushagr	Punyani	Lund University
Tue-158	2701-A-1902	Si Hoai Trung	Tran	Lund University

7 Large Scale Facilities

Poster number	Abstract ID	Name	Surname	Organization
Tue-159	2344-A-1902	Dmitry	Dzhigayev	Lund University
Tue-160	2877-A-1902	Juan Francisco	Gonzalez Martinez	Malmö University
Tue-161	2281-A-1902	Kuen-Song	Lin	Yuan Ze University
Tue-162	2496-A-1902	Shun	Yu	RISE Research Institute of Sweden
Tue-163	2739-A-1902	Ketan	Desai	INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI
Tue-164	1881-A-1902	Feng	Han	Northeastern University
Tue-165	2268-A-1902	Chandrakant	Holkar	Institute of Chemical Technology

Poster number	Abstract ID	Name	Surname	Organization
Tue-124	2429-A-1902	Kun	Liu	Single-stage vacuum pump performance measuring method
Tue-125	2981-A-1902	Alexander	Marsteller	Reduction of molecular tribium flow in the KATRIN beam line
Tue-126	2197-A-1902	Tatiana	Eikhvald	A New Laser Interferometric Oil Manometer with High Resolution
Tue-127	1728-A-1902	Alkeyev	Semenov	Outgassing rate of boron carbide ceramics made by various techniques for application in ITER
Tue-128	2432-A-1902	Wei	Sun	leak testing technology in general assembly of large satellites based on the mass spectrometry
Tue-129	2119-A-1902	Alexandros	Tsimpoukis	Oscillatory rarefied gas flow in a vertically driven comb-type assembly
Tue-130	2763-A-1902	Martin	Vicar	Sniffer helium leak primary traceability
Tue-131	2109-A-1902	Xiaodong	Wang	A New TPMC Algorithm for Pumping Mechanism of Turbomolecular Pump
Tue-132	2404-A-1902	Martin	Zelan	A transportable dual Fabry-Perot cavity refractometry system
Tue-133	2267-A-1902	Jiayin	Zhang	Comparative study of IN600 superalloy produced by two powder metallurgy technologies: Argon Atomizing and Plasma Rotating Electrode Process
Tue-134	2766-A-1902	Tianyou	Feng	Study on vacuum leak calibration technology based on static expansion primary vacuum standard
Tue-135	2153-A-1902	Subrata	Jana	Comparative study of on-line leak detection techniques for large vacuum system
Tue-136	2776-A-1902	Lei	Qi	Vacuum Leak Location in Spacecraft Structures Based on Acoustic Emission
Tue-137	2117-A-1902	Tariq	Sattar	Development & characterization of indigenously designed helium leak artifacts

Poster number	Abstract ID	Name	Surname	Organization
Tue-138	2706-A-1902	Fancisco Servando	Aguire-Tostado	Stability of Materials and Interfaces for Perovskite Based Optoelectronic Devices
Tue-139	2724-A-1902	Mmapula	Baloi	Correlation between elastic properties and lattice thermal conductivity of GeTe and Ge ₂ Sb ₂ Te ₅ by surface Brillouin scattering.
Tue-140	2104-A-1902	Hyungkoun	Cho	Novel surface treatment technology on the back channel of amorphous oxide semiconductor thin film transistors
Tue-141	2621-A-1902	Il Ki	Han	Study on surface potential of QD photodiode under illumination
Tue-142	1809-A-1902	Tae Geun	Kim	Indoor organic photovoltaics with high efficiency and flexibility using ZnO/Ag/ZnO-based transparent electrodes
Tue-143	2175-A-1902	Eun Kyu	Kim	Anti-reflection coating with glancing angle deposition on InGaAsP/InGaAs double-junction solar cells
Tue-144	2056-A-1902	Hsin-Ying	Lee	Performance Investigation of the perovskite solar cell with vacuum sputtered vanadium oxide anode interface modified layer
Tue-145	2762-A-1902	Ellen	Moons	Understanding degradation processes in organic semiconductors for improved stability of emerging photovoltaics
Tue-146	2422-A-1902	Ana Lucia	Pinto	sustainable dye-sensitized solar cells based on wine pigments
Tue-147	2147-A-1902	Joana	Ribeiro	Thermoelectric Titanium Dioxide doped with Niobium Thin Films for TCO Applications
Tue-148	2731-A-1902	Pornsawan	Sikam	The DFT study of optical and thermoelectric properties of N-doped TiO ₂
Tue-149	2062-A-1902	Wen-Tuan	Wu	Improved efficiency of CNT-PEDOT:PSS/n-Si heterojunction solar cell by optimization of CNT content
Tue-150	2709-A-1902	Young Joon	Yoo	Highly Selective UV Bandpass Filters by Double-Plate Metamaterials
Tue-151	2710-A-1902	Young Joon	Yoo	RGB bandpass filters based on optical metamaterials
Tue-152	2669-A-1902	Husam	Alshareef	Transparent electronics using one binary oxide for all transistor layers
Tue-153	2779-A-1902	Antonio	Ferreira Da Silva	Narrow gap spintronics and electron g-factor engineering
Tue-154	2964-A-1902	Sun Hee	Kim	Fabrication and characterization of transparent conductive BaSnO ₃ oxide based conductive fibers

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Tue-155	2686-A-1902	Anna	Du Rietz	Iron-oxide based Nanoprobe for Magnetic Resonance Based detection of Cardiac Troponin T
Tue-156	2789-A-1902	Joana	Guerreiro	Label Free Optical Detection Of Dna Using Microfluidic Platform
Tue-157	2696-A-1902	Kushagr	Punyani	Asymmetric Post Shapes for enhanced particle sorting in microfluidic DLD devices
Tue-158	2701-A-1902	Si Hoai Trung	Tran	Microfluidic softness sorting of cancer cells

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Tue-159	2344-A-1902	Dmitry	Dzhigayev	In-situ Bragg Coherent X-ray Diffractive Imaging Study of Flexo-Photovoltaic Effect in SrTiO ₃ Crystals
Tue-160	2877-A-1902	Juan Francisco	Gonzalez Martinez	A Sample Environment for Neutron Scattering Studies under Mechanical Confinement and Shear
Tue-161	2281-A-1902	Kuen-Song	Lin	Synthesis and characterization of polymer stabilized-iron oxide nanocomposites for doxorubicin delivery in neuroblastoma therapy
Tue-162	2496-A-1902	Shun	Yu	Water dynamics in hydrated nanocellulose membrane by quasi elastic neutron scattering
Tue-163	2739-A-1902	Ketan	Desai	Effect of hydrodynamic cavitation and advanced oxidation processes on treatment alkylid resin wastewater for its reuse opportunities
Tue-164	1881-A-1902	Feng	Han	Dangerous industrial wastewater treatment based on vacuum evaporation technology
Tue-165	2268-A-1902	Chandrakant	Holkar	Cavitation Assisted Hydrolysis of Waste Human Hair for Potential Use as Fertilizer