



















**Wednesday**  
**12 SEPTEMBER 2018**

	Digital Kiosk 10	Theme	Digital Kiosk 11	Theme	Digital Kiosk 12	Theme	Digital Kiosk 13	Theme	Digital Kiosk 14	Theme	Digital Kiosk 15	Theme	Digital Kiosk 16	Theme
1030	1379: TEM investigation of Hastelloy X produced by additive manufacturing <b>Dominique Schryvers</b>	Physical Sciences (PS4 - Metals and alloys)	512: Effect of Amorphous Precursor Stoichiometry on Titania Polymorph Formation <b>John Mangum</b>	Physical Sciences (P55 - Ceramics and inorganic composites)	1349: Accelerating voltage and probe current dependence of electron beam drilling rates for silicon crystal <b>Noriaki Endo</b>	Physical Sciences (PS7 - Semiconductors and materials for communication)								
1100			740: Ion-irradiation induced structure changes in the Ln <sub>2</sub> TiO <sub>5</sub> system <b>Robert Aughterson</b>	Physical Sciences (P55 - Ceramics and inorganic composites)	1569: Atomic-scale Investigation of Compound III-V Semiconductor Nanowires <b>Jiangtao Qu</b>	Physical Sciences (PS7 - Semiconductors and materials for communication)								
1130			1243: Study of space charge regions in BaCe <sub>0.8</sub> Y <sub>0.2</sub> O <sub>3-δ</sub> -Ce <sub>0.8</sub> Y <sub>0.2</sub> O <sub>2-δ</sub> hydrogen separation membrane via atom probe tomography <b>George Burton</b>	Physical Sciences (P55 - Ceramics and inorganic composites)										
1200														
Lunch, Lunch Workshops, Exhibition and Poster Sessions/Viewing Exhibition Hall 2														
	Digital Kiosk 10	Theme	Digital Kiosk 11	Theme	Digital Kiosk 12	Theme	Digital Kiosk 13	Theme	Digital Kiosk 14	Theme	Digital Kiosk 15	Theme	Digital Kiosk 16	Theme
1400	439: Understanding the growth of In <sub>0.85</sub> Ga <sub>0.15</sub> As core-shell structured nanowires <b>Jin Zou</b>	Physical Sciences (PS1 - Nanoscale, nanostructured and porous materials)	52: Optimization of sigma phase characterizations in superduplex stainless steel <b>Ying Da Yu</b>	Physical Sciences (PS4 - Metals and alloys)	1469: Verification of interfacial layers in doped WC-Co regarding their structure and chemistry by STEM imaging, simulation and analytical STEM <b>Ernesto Coronel</b>	Physical Sciences (P55 - Ceramics and inorganic composites)								
1430	502: Probing chirality in self-assembled CdSe nanoplatelets ribbons with 3D TEM and STEM imaging <b>Marta de Frutos</b>	Physical Sciences (PS1 - Nanoscale, nanostructured and porous materials)	95: SEM-TEM combined characterization of precipitates and second phase <b>Kaoru Sato</b>	Physical Sciences (PS4 - Metals and alloys)	1838: The Ductile Fracture of the Hexagonal Boron Nitride-Aluminum Nanocomposite <b>Ade Kismarahardja</b>	Physical Sciences (P55 - Ceramics and inorganic composites)								
1500	992: 3D-Orientation Mapping of Nano-grains in Solid Oxide Electrochemical Cells using TEM <b>Sofie Colding-Jørgensen</b>	Physical Sciences (PS1 - Nanoscale, nanostructured and porous materials)	125: The formation mechanisms and interface character distributions of Widmanstätten austenite in a duplex stainless steel <b>Nima Haghdadi</b>	Physical Sciences (PS4 - Metals and alloys)										
1530	1249: Progress in resolving bio-nano interactions microscopically to understand the bactericidal activity of dragonfly wing nanopillars <b>Chaturanga Bandara</b>	Physical Sciences (PS1 - Nanoscale, nanostructured and porous materials)												
Afternoon Tea, Exhibition and Poster Viewing Exhibition Hall 2														

**Thursday**  
**13 SEPTEMBER 2018**

	Mini Oral Theaterette 1	Theme	Mini Oral Theaterette 2	Theme	Mini Oral Theaterette 3	Theme	Mini Oral Theaterette 4	Theme	Digital Kiosk 1	Theme	Digital Kiosk 2	Theme	Digital Kiosk 3	Theme	
1030	729: Control of a double-stage deflection coils in transmission electron microscope <b>Cheolsu Han</b>	Instrumentation and Techniques (IT1 - Instrumentation)	554: Transmission electron microscopy of nanoparticle active sites <b>Soshan Cheong</b>	Physical Sciences (PS12 - Materials for energy production, storage and catalysis)	277: Study on Defect Structure Evolution in SS 316LN under Combined Cyclic Loading by Diffraction Contrast Imaging in TEM. <b>Alphy George</b>	Physical Sciences (PS4 - Metals and alloys)	1800: Steel hardness as a function of the composition of individual Carbides, measured using SEM in situ nanoindentation <b>Fredrik Gustavsson</b>	Instrumentation and Techniques (ITS - In-situ, environmental and time-resolved microscopies)	1606: Capital asset acquisition in a tertiary education environment - private and public enterprise experience working for positive outcomes. <b>Sean Webb</b>	Frontier Issues (FI3 - Facility Management)	1130: Low-energy argon ion milling of in situ lift-out FIB specimens with broad and narrow beams <b>Paul Fischione</b>	Instrumentation and Techniques (IT10 - SEM, FIB, scanning probe and surface microscopy)	1360: Advanced characterization of topographic samples in EDX spectroscopy with annular SDD detectors <b>Heike Soltau</b>	Instrumentation and Techniques (IT12 - Spectroscopy - High energy excitations and local chemical analysis)	1030
1100	737: Helium Ion Microscope (HIM) assisted atomic re-design makes brittle aluminium oxide plastic <b>Annalena Wolff</b>	Instrumentation and Techniques (IT1 - Instrumentation)	730: Advanced Microscopic and Spectroscopic study of the activity of TiO2 photoanodes for water splitting: A crystal orientation insight <b>Alfonso Ballester Barrientos</b>	Physical Sciences (PS12 - Materials for energy production, storage and catalysis)	1843: Visualization of Early Stage Globularization of Alpha+Beta Titanium Alloys Using In Situ EBSD and Correlative Electron Microscopy <b>Jordan Moering</b>	Physical Sciences (PS4 - Metals and alloys)	1802: Bridge-induced contact and fusion of Au nanocrystals in aqueous solution <b>Biao Jin</b>	Instrumentation and Techniques (ITS - In-situ, environmental and time-resolved microscopies)			1201: Dependence on working distance of the acceptance of secondary and backscattered electrons in modern inlens SEM <b>Toshihide Agemura</b>	Instrumentation and Techniques (IT10 - SEM, FIB, scanning probe and surface microscopy)	1805: Detecting Lithium ions in LiYF4:Tm3+, Yb3+ Upconverting Nanoparticles (UCNP) Using Electron Energy Loss Spectroscopy (EELS) in the Transmission Electron Microscope (TEM) <b>Yee Yan Tay</b>	Instrumentation and Techniques (IT12 - Spectroscopy - High energy excitations and local chemical analysis)	1100
1130	752: Design of a 5-DOF Specimen Stage and Multiple-Specimen Exchange System for Transmission Electron Microscope <b>Sang-Chul Lee</b>	Instrumentation and Techniques (IT1 - Instrumentation)	802: TEM monitoring of newly modified MOF structures for OER and HER <b>Jan Simke</b>	Physical Sciences (PS12 - Materials for energy production, storage and catalysis)	312: The Interface between Aluminium and Steel Joined by Hybrid Metal Extrusion and Bonding and by Cold Roll Bonding <b>Tina Bergh</b>	Physical Sciences (PS4 - Metals and alloys)	1828: Tomography microheater for in situ Transmission Electron Microscopy <b>Tijn van Omme</b>	Instrumentation and Techniques (ITS - In-situ, environmental and time-resolved microscopies)			1820: Towards automated continuous electron diffraction data collection - recent development and application <b>Magdalena Cichocka</b>	Instrumentation and Techniques (IT6 - Diffraction techniques)	1840: EELS-based characterisation of beam exposure dependence of Ce oxidation states <b>Dung-Trung Tran</b>	Instrumentation and Techniques (IT12 - Spectroscopy - High energy excitations and local chemical analysis)	1130
1200							1878: In-situ STEM direct visualization of lithium ion of liquid cell in lithium ion battery <b>Hao Chang</b>	Instrumentation and Techniques (ITS - In-situ, environmental and time-resolved microscopies)			1904: Does the transmitted beam influence the indexing of on-axis TKD patterns? <b>Adam Fuller</b>	Instrumentation and Techniques (IT6 - Diffraction techniques)	1894: Scanning Auger Microscopy determination of carbon hybridisation with spatial resolution. <b>Jade Taylor</b>	Instrumentation and Techniques (IT12 - Spectroscopy - High energy excitations and local chemical analysis)	1200
Lunch, Lunch Workshops, Exhibition and Poster Sessions/Viewing Exhibition Hall 2															
	Mini Oral Theaterette 1	Theme	Mini Oral Theaterette 2	Theme	Mini Oral Theaterette 3	Theme	Mini Oral Theaterette 4	Theme	Digital Kiosk 1	Theme	Digital Kiosk 2	Theme	Digital Kiosk 3	Theme	
1400	837: A comparative study of customized and standard STEM electronics <b>Sören Selve</b>	Instrumentation and Techniques (IT1 - Instrumentation)	1257: A combined laser ablation/focused ion beam approach to atom probe sample preparation <b>Jacob Byrnes</b>	Instrumentation and Techniques (IT10 - SEM, FIB, scanning probe and surface microscopy)	1539: X-ray microscopy: beyond pure projections for sub-30 nm resolution in millimeter thick specimens, plus correlation with visible fluorescence in frozen hydrated preparations <b>Chris Jacobsen</b>	Instrumentation and Techniques (IT2 - Computational methods for data acquisition, analysis and visualisation)	560: Observation of mass transport in transfer-free graphene encapsulated copper nanowires by using in-situ transmission electron microscopy <b>Byeong-Seon An</b>	Instrumentation and Techniques (ITS - In-situ, environmental and time-resolved microscopies)	1240: Fossil Egg Shell aDNA revises elephant bird phylogeography and systematics <b>Diana Patalwala</b>	Instrumentation and Techniques (IT7 - Multi-scale 3D imaging)	690: Electric field quantification method for a p-n junction by DPC STEM <b>Satoko Toyama</b>	Instrumentation and Techniques (IT8 - Phase-related imaging techniques)	1486: Cellular distribution in the epididymal epithelium during the annual reproductive cycle of the frugivorous bat Artibeus planirostris. <b>Danielle Barbosa Morais</b>	Life Sciences (LS-1 - Structure and Function of Cells & Organelles)	1400
1430	1008: Towards a quantitative EMCD analysis <b>Hasan Ali</b>	Instrumentation and Techniques (IT1 - Instrumentation)	1299: Rotating sapphire mask cross sectional argon ion milling <b>Mitchell Nancarrow</b>	Instrumentation and Techniques (IT10 - SEM, FIB, scanning probe and surface microscopy)	1848: Towards an Automated Processing and Analysis System for multi-dimensional light-sheet microscopy big data using ImageJ and OMERO. <b>Thomas Boudier</b>	Instrumentation and Techniques (IT2 - Computational methods for data acquisition, analysis and visualisation)	673: Adsorption/desorption phenomena of carbonates at {100} surfaces of ceria revealed from direct visualization and quantification of atomic mobility in the environmental transmission electron microscope <b>Matthieu Bugnet</b>	Instrumentation and Techniques (ITS - In-situ, environmental and time-resolved microscopies)	1251: X-Ray Nano Computed Tomography Systems and Application in the Laboratory <b>Luca Piazza</b>	Instrumentation and Techniques (IT7 - Multi-scale 3D imaging)	750: Practical approach to the STEM setup parameters influencing the sensitivity of differential phase contrast image <b>Gwangyeob Lee</b>	Instrumentation and Techniques (IT8 - Phase-related imaging techniques)	1500: ESCRT-III maintains nuclear envelope integrity of micronuclei <b>Neftali Flores-Rodriguez</b>	Life Sciences (LS-1 - Structure and Function of Cells & Organelles)	1430
1500	1018: SEM Transmission Diffraction Stage with 6-axis sample control and a pixelated detector with variable camera length <b>Johannes Müller</b>	Instrumentation and Techniques (IT1 - Instrumentation)	1906: Development of LaB6 Filament Source Desktop Scanning Transmission Electron Microscope <b>Chien-An Tu</b>	Instrumentation and Techniques (IT1 - Instrumentation)	1855: Feature extraction from STEM images via Zernike descriptors <b>Jiadong Dan</b>	Instrumentation and Techniques (IT2 - Computational methods for data acquisition, analysis and visualisation)	734: In-situ liquid electrochemical transmission electron microscopy <b>Ruth Knibbe</b>	Instrumentation and Techniques (ITS - In-situ, environmental and time-resolved microscopies)	1396: Multi-scale Correlative Tomography of Lithium Ion Battery Electrodes <b>Jochen Joos</b>	Instrumentation and Techniques (IT7 - Multi-scale 3D imaging)	779: Tailoring of interface charges in semiconductor nanostructures <b>Luying Li</b>	Instrumentation and Techniques (IT8 - Phase-related imaging techniques)	943: Ultrasonically enhanced oxidative aqueous solution etching of grade 4 commercially pure titanium for dental implant use <b>Bong Ki Min</b>	Life Sciences (LS-1 - Structure and Function of Cells & Organelles)	1500
1530	1107: Spatial resolution of 40.5 pm by using scanning transmission electron microscopy with fifth-order aberration corrector <b>Shigeyuki Morishita</b>	Instrumentation and Techniques (IT1 - Instrumentation)			1860: ConCoR: A software pipeline for high-throughput image analysis of time-dependent colocalization data <b>Greg Bass</b>	Instrumentation and Techniques (IT2 - Computational methods for data acquisition, analysis and visualisation)			1837: Characterization of thin film displacements in z direction in the transmission electron microscope <b>Hidetaka Sawada</b>	Instrumentation and Techniques (IT7 - Multi-scale 3D imaging)	874: Low-voltage coherent electron microscopy based on a highly coherent electron source <b>Chun-Yueh Lin</b>	Instrumentation and Techniques (IT8 - Phase-related imaging techniques)			1530
Afternoon Tea, Exhibition and Poster Viewing Exhibition Hall 2															

**Thursday**  
**13 SEPTEMBER 2018**

	Digital Kiosk 4	Theme	Digital Kiosk 5	Theme	Digital Kiosk 6	Theme	Digital Kiosk 7	Theme	Digital Kiosk 8	Theme	Digital Kiosk 9	Theme	
1030	1204: QCSP - a computer program for stereographic projection of quasicrystals <b>Hongwei Liu</b>	Instrumentation and Techniques (IT2 - Computational methods for data acquisition, analysis and visualisation)	1407: Integrated correlative light and electron microscopy for automated array tomography <b>Jacob Hoogenboom</b>	Instrumentation and Techniques (IT3 - Methods and workflows for correlative microscopy)	885: Semi-automated FIB Sample Preparation Workflow for Cryo-TEM <b>Samuel Zächej</b>	Instrumentation and Techniques (IT4 - Cryo-TEM techniques for biological material)	362: Operando TEM Investigation of CeO <sub>2</sub> -Supported Pt Catalysts During CO Oxidation <b>Josh Vincent</b>	Instrumentation and Techniques (IT5 - In-situ, environmental and time-resolved microscopies)	541: Boundary-artifact-free phase retrieval with the transport-of-intensity equation from the images obtained with an aperture <b>Kazutaka Mitsuishi</b>	Instrumentation and Techniques (IT8 - Phase-related imaging techniques)	1026: Micromorphological investigation of <i>Emoleptalea rwanedi</i> n.sp. from Schilbe Intermedius in the Limpopo Province, South Africa <b>Chantelle Baker</b>	Life Sciences (LS-13 - Invertebrate Biology & Taxonomy)	1030
1100	1481: Automated defect recognition in two-dimensional materials from low-dose ultrafast HRTEM image series using deep neural networks <b>Chen Huang</b>	Instrumentation and Techniques (IT2 - Computational methods for data acquisition, analysis and visualisation)	1807: High-vacuum Optical Platform for cryo-CLEM(HOPE): a New Solution for Non-integrated Multiscale Correlative Light and Electron Microscopy <b>Gang Ji</b>	Instrumentation and Techniques (IT3 - Methods and workflows for correlative microscopy)	1001: Cryo-FIB parameter optimization for cryo lamella preparation <b>Bernhard Goetze</b>	Instrumentation and Techniques (IT4 - Cryo-TEM techniques for biological material)	405: Atomic-Resolution Transmission Electron Microscopic Analysis of Individual C60 Dimerization Events: Kinetics and Mechanisms <b>Koji Harano</b>	Instrumentation and Techniques (IT5 - In-situ, environmental and time-resolved microscopies)	549: Holographic imaging of adsorbates on graphene by point projection microscopy and theoretical reconstructions <b>Wun-Cin Huang</b>	Instrumentation and Techniques (IT8 - Phase-related imaging techniques)	1872: Identification of a novel nidovirus as a cause of large scale mortalities in the endangered Bellinger River Turtle ( <i>Muchelys georgesii</i> ) <b>Mukesh Srivastava</b>	Life Sciences (LS-13 - Invertebrate Biology & Taxonomy)	1100
1130			1812: Ultra-stable super-resolution fluorescence cryo-microscopy for correlative light and electron cryo-microscopy <b>Yanhong Xue</b>	Instrumentation and Techniques (IT3 - Methods and workflows for correlative microscopy)	1808: Temporal Dynamics of Charging Effects in Vitreous Ice in Biological Electron Microscopy <b>Makoto Schreiber</b>	Instrumentation and Techniques (IT4 - Cryo-TEM techniques for biological material)	414: Fabrication and Real-time Structural Characterizations of Low-dimensional Metal Oxides <b>He Zheng</b>	Instrumentation and Techniques (IT5 - In-situ, environmental and time-resolved microscopies)	582: In situ transmission electron microscopy and differential phase contrast imaging of the magnetostructural transition in nanoscale FeRh-based thin films <b>Trevor Almeida</b>	Instrumentation and Techniques (IT8 - Phase-related imaging techniques)	741: Simplified time-lapse microscopy: using differential nuclear fluorescence to track viability during cytotoxic treatment <b>Kristy Shield-Artin</b>	Life Sciences (LS-2 - Multiplex Live Imaging of Cells, Tissues & Organisms)	1130
1200			1891: Sample Preparation and Data Management Protocols Enabling Rapid Throughput Imaging of Structure and Function Across Length Scales <b>Lucy Ngo</b>	Instrumentation and Techniques (IT3 - Methods and workflows for correlative microscopy)	1886: Angle-resolved STEM for compositional mapping in cryo-tomography <b>Lothar Houben</b>	Instrumentation and Techniques (IT4 - Cryo-TEM techniques for biological material)	492: In-situ observation of irregular void growth in Al thin films during solid state dewetting <b>Stefan Hieke</b>	Instrumentation and Techniques (IT5 - In-situ, environmental and time-resolved microscopies)	611: A quantitative comparison of atomic resolution phase contrast microscopy: off-axis electron holography vs. high resolution electron microscopy <b>Usha Bhat</b>	Instrumentation and Techniques (IT8 - Phase-related imaging techniques)			1200
Lunch, Lunch Workshops, Exhibition and Poster Sessions/Viewing Exhibition Hall 2													
	Digital Kiosk 4	Theme	Digital Kiosk 5	Theme	Digital Kiosk 6	Theme	Digital Kiosk 7	Theme	Digital Kiosk 8	Theme	Digital Kiosk 9	Theme	
1400	1892: Combining optical microscopy and serial block face imaging to investigate cellular responses to high salt in barley roots <b>Allison van de Meene</b>	Life Sciences (LS-10 - Plant Science & Mycology)	1912: CryoEM of Insulin Degrading Enzyme Reveals New Substrate-Bound and Apo States <b>Zhening Zhang</b>	Life Sciences (LS-3 - 3-D Structures of Macromolecules & Supramolecular Assemblies)	1833: TEM investigation on new microstructures of GaN and their properties <b>Ulrich Schuermann</b>	Physical Sciences (PS1 - Nanoscale, nanostructured and porous materials)	1553: An effect of crystal tilt on the determination of ions displacements in perovskite oxides under BF/HAADF imaging mode <b>Ying Liu</b>	Physical Sciences (PS10 - Magnetic, ferroelectric and multiferroic materials)	830: Multiscale characterisation of industrially relevant Fischer-Tropsch catalysts <b>Manfred Schuster</b>	Physical Sciences (PS12 - Materials for energy production, storage and catalysis)	391: Effect of minor boron addition on the microstructure of the AlCoCrFeNi high entropy alloy <b>Guilherme Zepon</b>	Physical Sciences (PS4 - Metals and alloys)	1400
1430	1899: Intersexual differences in stinging trichome density negatively correlates with tetrapyrrole production <b>Eliska Masirova</b>	Life Sciences (LS-10 - Plant Science & Mycology)			1856: Nanoporous Copper-Nickel: Crystallographic Examination <b>Dagmar Rings</b>	Physical Sciences (PS1 - Nanoscale, nanostructured and porous materials)	1863: Electron microscopy - a useful tool in the characterization of complex nanostructures with new architectures <b>Otilia Ruxandra Vasile</b>	Physical Sciences (PS10 - Magnetic, ferroelectric and multiferroic materials)	839: Identical Location TEM Combined with 3D Tomography of Functionalized Carbon for PEMFC <b>Kang Yu</b>	Physical Sciences (PS12 - Materials for energy production, storage and catalysis)	540: HRTEM tracking of microstructure in hydrogen charged and aged 7xxx aluminum alloys <b>Artenis Bendo</b>	Physical Sciences (PS4 - Metals and alloys)	1430
1500							1877: Towards higher spatial resolution in quantification of zeolites by field emission electron probe microanalysis (FE-EPMA) <b>Henrietta Cathey</b>	Physical Sciences (PS11 - Materials in geology, mineralogy and archeology)	856: TEM ex situ and in situ heating study on shape stability of octahedral PtNi nanocatalysts <b>Sören Selve</b>	Physical Sciences (PS12 - Materials for energy production, storage and catalysis)	547: Characterisation of the hierarchical microstructure in a modern high strength low alloy steel <b>Carina Ledermüller</b>	Physical Sciences (PS4 - Metals and alloys)	1500
1530									875: Multi-scale studies on the poisoning mechanism of lanthanum strontium cobalt ferrite in solid oxide fuel cell <b>Shu-Sheng Liu</b>	Physical Sciences (PS12 - Materials for energy production, storage and catalysis)			1530
Afternoon Tea, Exhibition and Poster Viewing Exhibition Hall 2													

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**13 SEPTEMBER 2018**

	Digital Kiosk 10	Theme	Digital Kiosk 11	Theme	Digital Kiosk 12	Theme	Digital Kiosk 13	Theme	Digital Kiosk 14	Theme	Digital Kiosk 15	Theme	Digital Kiosk 16	Theme	
1030	571: Elemental and Isotopic Imaging Using NanoSIMS <b>Paul Guagliardo</b>	Life Sciences (LS-5 - Cellular Transport & Dynamics)	1370: Cryo-STEM Tomography of Eukaryotic and Prokaryotic Cells <b>Sharon G. Wolf</b>	Life Sciences (LS-6 - Applications of Cryo Electron Microscopy in Biology)	1861: Imaging Local Atomic Arrangements in Boron Carbide: Aberration-Corrected TEM and Quantum Chemistry <b>Reiner Ramlau</b>	Physical Sciences (PS5 - Ceramics and inorganic composites)	1830: Crystalline to amorphous phase transformation at crack tips in a FeCoCrNiMn high-entropy alloy <b>Hao Wang</b>	Physical Sciences (PS4 - Metals and alloys)	1809: Development of Ultramicrotome for Nanoscale Sectioning <b>Hwan Hur</b>	Instrumentation and Techniques (IT1 - Instrumentation)					1030
1100	1540: Ratiometric Imaging of Mitochondrial Membrane Potential in Cultured Dorsal Root Ganglia Cells <b>Tala Kaplinovsky</b>	Life Sciences (LS-5 - Cellular Transport & Dynamics)	1815: Feasibility of high pressure freezing and freeze substitution to study the ultrastructural details of wool follicles <b>Saikhshmi Velamoor</b>	Life Sciences (LS-6 - Applications of Cryo Electron Microscopy in Biology)	1275: Internal diesel injector deposits - chemical and structural analysis at high resolution <b>Catriona McGilvery</b>	Physical Sciences (PS1 - Nanoscale, nanostructured and porous materials)			1869: Development of the Desktop Precision-Aligned Electron Microscope <b>Yi Lee</b>	Instrumentation and Techniques (IT1 - Instrumentation)					1100
1130	1885: Effects of systemic propolis treatment on the new bone formation of the parietal bone in the calvarium of the rats <b>Alev Cumbul</b>	Life Sciences (LS-8 - Pathology and Immunocytochemistry & Biomolecular Labeling)	1890: The development of cryogenic scanning electron microscopy (cryo-SEM) as a viable method to investigate interactions between membranes and mechano-bactericidal nanostructured surfaces <b>Samuel Cheeseman</b>	Life Sciences (LS-6 - Applications of Cryo Electron Microscopy in Biology)	1425: Microstructure of advanced thermoelectrics after high pressure torsion <b>Jiri Bursik</b>	Physical Sciences (PS1 - Nanoscale, nanostructured and porous materials)									1130
1200	1832: The Effect of 1,25 dihydroxyvitamin D3 on HCl / Ethanol-induced gastric injury <b>Unal Uslu</b>	Life Sciences (LS-8 - Pathology and Immunocytochemistry & Biomolecular Labeling)	1804: Direct and indirect development in sea urchins: Similarities in the origins of the adult tissue visualized by confocal microscopy <b>Maria Byrne</b>	Life Sciences (LS-7 - Embryology & Developmental Biology)	1425: Microstructure of advanced thermoelectrics after high pressure torsion <b>Jiri Bursik</b>	Physical Sciences (PS1 - Nanoscale, nanostructured and porous materials)									1200
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1400	1846: Microstructural characterization of the last generation of TiAl intermetallics <b>Maria L. No</b>	Physical Sciences (PS4 - Metals and alloys)	1169: Young's Modulus of Single-Nano-Scale Gold Nanowires Estimated by TEM-AFM <b>Keisuke Ishizuka</b>	Physical Sciences (PS13 - Physical science applications of in-situ microscopy)											1400
1430	1857: Effects of scandium and zirconium on the mechanical properties and microstructure of Al-Zn-Mg alloy <b>Li Liu</b>	Physical Sciences (PS4 - Metals and alloys)	1246: In-situ environmental scanning electron microscopy: an investigation on the retraction front during solid-state dewetting of Ag-Cu thin films on amorphous silicon nitride <b>Philipp Okle</b>	Physical Sciences (PS13 - Physical science applications of in-situ microscopy)											1430
1500															1500
1530															1530
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