

	02.09.2015 (Wednesday)	03.09.2015 (Thursday)	04.09.2015 (Friday)
LOCATION	FENS G077	FENS G077	FENS G077
08:45-09:00	OPENING TALK		
09:00-09:50	Plenary Talk - PL1 Manfred RÜHLE Max Planck Institute for Intelligent, Germany <i>"Quo Vadis, Transmission Electron Microscopy? (Past, Present, and Future of TEM)"</i>	Plenary Talk - PL2 Wolfgang BAUMEISTER Max Planck Institute of Biochemistry, Germany <i>"Electron-Cryomicroscopy: From Molecules to Cells"</i>	Plenary Talk - PL3 Joachim MAYER RWTH, Germany <i>"Chromatic aberration corrected TEM and applications in materials science"</i>

09:50-10:20	coffee break	coffee break	coffee break
-------------	--------------	--------------	--------------

CHAIR	Servet Turan	Ali Arslan Kaya	Saso Sturm
LOCATION	FASS G062	FENS L045	FENS L045
10:20-11:00	Invited Talk - PIW1 Frances ROSS IBM, USA <i>"Electron Microscopy of Materials and Processes in Water"</i>	Invited Talk - PIT1 Christoph KOCH Humboldt University of Berlin, Germany <i>"Computer augmented electron microscopy for measuring fields and 3D atom positions"</i>	Invited Talk - PIF1 Zaoli ZHANG Austrian Academy of Sciences, Austria <i>"Tracking the structural and chemical changes of nanostructured materials by in-situ TEM"</i>
11:00-11:20	Invited Talk - PIW2 Kislon VOITCHOVSKY Durham University, UK <i>"Probing of water and ions at soft interfaces with AFM"</i>	Invited Talk PIT2 Ian MACLAREN University of Glasgow, UK <i>"Imaging the atomic structure and chemistry of non-stoichiometric defects in mixed oxides"</i>	POF1 (ID 177) Çiğdem Ö. Keskinbora Max Planck Institute for Solid State Research, Germany <i>"An Overview of the Electron Holography Studies in Max Planck Institute for Solid State Research"</i>

11:20-11:40			POF2 (ID 162) Pınar Kaya Anadolu University, Turkey <i>"Microstructural Characterization of AlN-Al based Ceramic- Metal Composites"</i>
11:40-12:00	POW1 (ID 139) Y. Eren Suyolcu Max Planck Institute for Solid State Research, Germany <i>"Atomic-Scale Investigations on La₂CuO₄ Bilayer Interfaces"</i>	POT1 (ID 161) Umut Savacı Anadolu University, Turkey <i>"Geçirimli Elektron Mikroskopisi İn-Situ Isıtma ve Devinimli elektron Difraksiyonu Teknikleri"</i>	POF3 (ID 117) Güher Tan Mersin University, Turkey <i>"Thermal Stability and Abnormal Precipitation in ECAPed Al 2024 Alloy"</i>
12:00-12:20	POW2 (ID 183) Cleva Ow-Yang Sabancı University, Turkey <i>"Nanoscale Cathodoluminescence and STEM-EDX for Elucidating the Role of Boron in Long Persistence Strontium Aluminate Phosphors"</i>	POT2 (ID 188) Gözde Karaçalı Ereğli Iron and Steel Works Co, Turkey <i>"A Study on High Strength Low Alloy Steel Using Electron Backscatter Diffraction Analysis"</i>	POF4 (ID 171) Mustafacan Kutsal METU, Turkey <i>"Probing the Local Structures in Metallic Glasses Using HRTEM and APT"</i>

12:20-13:20	lunch	lunch	lunch
-------------	-------	-------	-------

CHAIR	Meltem Sezen	Şişecam Session	Eren Kalay	Cleva Ow-Yang	Saso Sturm
LOCATION	FENS L045	FENS G035	FENS L045	FENS G035	FENS L045
13:20-14:00	Invited Talk - PIW3 Ivo UTKE EMPA, Switzerland <i>"A scanning electron microscope based maskless direct-write /direct-erase nanotechnology platform: Focused Electron Beam Induced Processing"</i>	Invited Talk - PIW4 Masashi WATANABE Lehigh University, USA <i>Atomic-level "Characterization of Bi segregation in Cu by aberration-corrected analytical scanning transmission electron microscopy"</i>	Invited Talk - PIT3 Nalan LİV Delft University of Technology, The Netherlands <i>"Simultaneous Correlative Electron and Fluorescence Microscopy of Samples in Liquid"</i>	Invited Talk - PIT4 Jürgen M. LACKNER Joanneum Research, Austria <i>"Advanced biomimetic surface functionalization by vacuum coatings for tribological protection of carbon fiber-reinforced polymers"</i>	CANCELLED! Invited Talk - PIF2 Hilmi YURDAKUL Dumlupınar University, Turkey <i>"Seeing the impurity atoms within ceramic lattices by atomic-resolved microscopy and spectroscopy"</i>

14:00-14:20	<p>POW3 (ID 70) Serap Aksu ETH Zurich, Switzerland <i>"Nanostencil Lithography for Plasmonics and Applications on Systems Immunology"</i></p>	<p>SS1 Şişecam Opening Talk</p>	<p>POT3 (ID 54) Aslıhan Örüm Toyota Central Research and Dev. Labs. Inc., Japan <i>"Surface structure of layered lanthanum titanates grown in different alkali chloride fluxes"</i></p>	<p>POT5 (ID 141) Güliz İ. Akmeahmet Sabanci University, Turkey <i>"Determination of the Phase Structure in Pechini-Processed Long-Persistence Strontium Aluminate Phosphors Doped with Boron"</i></p>	<p>POF5 (ID 154) Pelin Ç. Tokat Dumlupınar University, Turkey <i>"Electron Microscopy Investigations of Rare-Earth Doped (Yb²⁺, Sm²⁺ and Ce³⁺) Novel β-SiAlON phosphors"</i></p>
14:20-14:40	<p>IN1 Mathias O. MOSIG Protochips, Germany <i>"Protochips in situ electron microscopy solutions: capabilities and applications"</i></p>	<p>SS2 (ID 190) Lukas Simurka Şişecam Science and Technology Center, Turkey <i>"Characterization of heat-treated low-emissivity multilayer-coatings for architectural applications by using TEM, STEM/EDX and SIMS"</i></p>	<p>IN3 Rob Claassen Hysitron, USA <i>"Latest innovations of in-situ quantitative nanomechanical material testing using the Hysitron PicoIndenter in SEM & TEM Electron Microscopes"</i></p>	<p>POT7 (ID 182) Stefania Hapis Technical University of Darmstadt, Germany <i>"Amorphous Polymer-Derived Ceramics investigated by means of Pair Distribution Function (PDF) from Electron Diffraction in TEM"</i></p>	<p>POF6 (ID 163) Pınar Kaya Anadolu University, Turkey <i>"Microstructure and Transport Properties of Pressureless Sintered AlN Ceramics"</i></p>

14:40-15:00	coffee break	coffee break	coffee break
-------------	--------------	--------------	--------------

CHAIR	Feray Bakan	Şişecam Session	Levent Demirel	Atilla Alkan	Mehmet Ali Gülgün
LOCATION	FENS L045	FENS G035	FENS L045	FENS G035	FENS L045
15:00-15:20	<p>POW4 (ID 176) Kahraman Keskinbora Max Planck Institute for Intelligent Systems, Germany <i>"Novel X-ray Lenses Enabled by Focused Ion Beams"</i></p>	<p>SS3 (ID 187) Melih Üstün ŞİŞECAM Science and Technology Center, Turkey <i>"Microscopy Techniques Used in Flat Glass Research"</i></p>	<p>IN4 Vitezslav Ambroz TESCAN, Czech Republic <i>"Digital holographic microscopy: A novel approach for assessing cellular dynamics in real time"</i></p>	<p>POT8 (ID 100) Ayşe M. Genç METU, Turkey <i>"Development Of Rare-Earth Free Magnetic Mn-Al Alloys"</i></p>	<p>POF7 (ID 69) Gülcan Çorapçioğlu Sabanci University, Turkey <i>"Microstructure and Variable Chemistry of Flash Sintered K_{0.5}Na_{0.5}NbO₃ Ceramics"</i></p>

15:20-15:40	<p>POW5 (ID 140) Kristina Z. Rozman "Jozef Stefan Institute, Slovenia <i>In-Field Magnetic Force Microscopy study of Magnetization Switching in Electroplated Co-Pt and Fe-Pd Nanowires</i>"</p>	<p>SS4 (ID 186) Burak İzmirlioğlu ŞİŞECAM Science and Technology Center, Turkey <i>"Failure Mode Analysis in Glass"</i></p>	<p>IN5 Guillaume Brunetti JEOL (EUROPE) SAS <i>"JEOL: Latest developments of aberration corrected TEM"</i></p>	<p>POT9 (ID 115) M. Mercan Yıldızhan Sabanci University, Turkey <i>"Within and Beyond Solubility Limit: Structural Modifications of Li, K or Nb Doping on Anatase"</i></p>	<p>POF8 (ID 184) Güliz İ. Akmeahmet Sabanci University, Turkey <i>"Microstructural Investigation of Long-Persistence in Strontium Aluminate Phosphors by Atomic Resolution Imaging"</i></p>
15:40-16:00	<p>POW6 (ID 76) Aziz Genç Institut Català de Nanociència i Nanotecnologia (ICN2), Spain <i>"Plasmonic Nanoengineering in 1D Hollow Nanostructures: AuAg nanotubes"</i></p>		<p>POT4 (ID 185) Mirijam Vrabec University of Ljubljana, Slovenia <i>"Hunting for diamonds in the Eastern Alps: applying complementary analytical techniques"</i></p>	<p>POT10 (ID 133) Bengisu Yaşar METU, Turkey <i>"HRTEM Image Simulations of the Crystallographic Defects in CZT Single Crystals"</i></p>	<p>POF9 (ID 178) Fatih Sıkan METU, Turkey <i>"Characterization of Amorphous and Partially Crystalline Cu-Zr-Al-Sm Metallic Glass"</i></p>
16:00-16:20	<p>IN2 Koray Mızrak Zeiss, Turkey <i>"GeminiSEM 500: New Ultra High Resolution FE-SEM"</i></p>				

16:30-18:00	POSTER SESSION - 1	POSTER SESSION - 2
-------------	--------------------	--------------------

19:00-22:00	CONFERENCE DINNER
-------------	-------------------