Start Time	Tuesday Cafeteria
7:00 AM	Arrival/Breakfast
7:15 AM	Arrival/Breakfast
7:30 AM	Arrival/Breakfast
7:45 AM	Arrival/Breakfast
8:00 AM	Arrival/Breakfast
8:15 AM	Arrival/Breakfast
8:30 AM	Arrival/Breakfast
8:45 AM	
9:00 AM	
9:15 AM	
9:30 AM	
9:45 AM	
10:00 AM	
10:15 AM	
10:30 AM	
10:45 AM	
11:00 AM	
11:15 AM	
11:30 AM	Lunch
11:45 AM	Lunch
12:00 PM	Lunch
12:15 PM	Lunch
12:30 PM	Lunch
12:45 PM	Lunch
1:00 PM	
1:15 PM	
1:30 PM	
1:45 PM	
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4:00 PM	
4:15 PM	
4:30 PM	
4:45 PM	
5:00 PM	
5:15 PM	
5:30 PM	
5:45 PM	Departure
6:00 PM	Departure
6:15 PM	Departure
6:30 PM	Departure
6:45 PM	Departure
7:00 PM	

Start Time	Tuesday Green Auditorium	Title	Speaker	ID #
7:00 AM				
7:15 AM				
7:30 AM				
7:45 AM				
8:00 AM				
8:15 AM				
8:30 AM				
8:45 AM	Plenary 2	New Opportunities at the Nanoscale using New VUV-EUV Laser Sources	Henry C. Kapteyn	243
9:00 AM				
9:15 AM				
9:30 AM	Break			
9:45 AM	Break			
10:00 AM	Ceramic, Geological, and Glass Materials	Atom Probe Characterization of Pb Isotopic Variations in Terrestrial and Meteoritic Fe Sulfides	Steven Reddy	240
10:15 AM	(Invited)			
10:30 AM	Ceramic, Geological, and Glass Materials	Dating Planetary Events Using APT Isotopic Analysis of Natural ZrO_2	Lee White	93
10:45 AM	Ceramic, Geological, and Glass Materials	Preparation of ~100 nm-diameter Presolar SiC in Meteoritic Matrix for Atom-Probe Tomography (APT)	Josiah Lewis	192
11:00 AM	Ceramic, Geological, and Glass Materials	Resolving the sorption behavior of Fe(II) on hematite at the atomic level	Sandy Taylor	34
11:15 AM	Ceramic, Geological, and Glass Materials	Unraveling the Influence of Impurities on Mineral Growth by combining APT, AFM-ToF-SIMS and TEM	Juliane Weber	20
11:30 AM	Break			
11:45 AM	Break			
12:00 PM	Break			
12:15 PM	Break			
12:30 PM	Break			
12:45 PM	Break			
1:00 PM	Ceramic, Geological, and Glass Materials	Atom probe study of oxidation behavior of an amorphous Al-Ga metal	Qi Zhou	165
1:15 PM	Ceramic, Geological, and Glass Materials	Outward diffusion through protective Alumina on NiAl-alloys	Torben Boll	214
1:30 PM	Ceramic, Geological, and Glass Materials	Atom Probe Tomography Study of Space Charge Regions in $BaCe_{0.8}Y_{0.2}O_{3-d}$ –$Ce_{0.8}Y_{0.2}O_{2-\delta}$ Hydrogen Separation Membrane	George Burton	198
1:45 PM	Ceramic, Geological, and Glass Materials	Li concentration gradient in cycled $Li(Ni_{0.8}Co_{0.15}Mn_{0.05})O_2$ cathode materials	Byeong-Gyu Chae	52
2:00 PM	Measurement Science Workshop			
2:15 PM	Measurement Science Workshop			
2:30 PM	Measurement Science Workshop			
2:45 PM	Measurement Science Workshop			
3:00 PM	Break			
3:15 PM	Break			
3:30 PM	Measurement Science Workshop			
3:45 PM	Measurement Science Workshop			
4:00 PM	Measurement Science Workshop			
4:15 PM	Measurement Science Workshop			
4:30 PM	Measurement Science Workshop			
4:45 PM	Measurement Science Workshop			
5:00 PM				
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6:00 PM				
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6:30 PM				
6:45 PM				
7:00 PM				

Start Time	Tuesday Heritage Room	Title	Speaker	ID #
7:00 AM				
7:15 AM				
7:30 AM				
7:45 AM				
8:00 AM				
8:15 AM				
8:30 AM				
8:45 AM				
9:00 AM				
9:15 AM				
9:30 AM	Break			
9:45 AM	Break			
10:00 AM	Correlative and Combined Methods	Opportunities offered by the serial and or in situ combination of Atom Probe and (Scanning) Transmission Electron Microscopy	Williams Lefebvre	242
10:15 AM	(Invited)			
10:30 AM	Correlative and Combined Methods	Atom probe tomography and secondary ion mass spectrometry: an interesting combination for atomic diffusion and segregation measurements	Alain Portavoce	99
10:45 AM	(Invited)			
11:00 AM	Correlative and Combined Methods	Expensive Jewelry or Casual Decoration? Aragonite to Vaterite Polymorphisms in Nacre Explained by Correlative t-EBSD and APT	Hugues Francois-Saint-Cyr	106
11:15 AM	Correlative and Combined Methods	Interfacial segregation in a novel Cu-doped TiNiSn thermoelectric generator: an APT and STEM-EDX study	Paul Bagot	44
11:30 AM	Break			
11:45 AM	Break			
12:00 PM	Break			
12:15 PM	Break			
12:30 PM	Break			
12:45 PM	Break			
1:00 PM	Correlative and Combined Methods	Probing Surface Species of Electrocatalyst at Atomic Scale	Tong Li	196
1:15 PM	Correlative and Combined Methods	Correlative transmission Kikuchi diffraction and atom probe tomography analysis of grain boundaries in $Cu(In,Ga)\ S(e)_2$ based thin film solar cells	Torsten Schwarz	53
1:30 PM	Correlative and Combined Methods	Investigation of grain boundary segregation by a correlative EBSD/TKD/APT methodology for a 16MND5 weld metal	Leifeng Zhang	46
1:45 PM	Correlative and Combined Methods	Formation of nanoscale eta carbides in Fe-Ni-C martensite at room temperature	Michael Herbig	21
2:00 PM	Correlative and Combined Methods	Elucidating Grain Boundary Segregation Behavior in Nanocrystalline Stabilized Pt(Au)	Gregory B. Thompson	162
2:15 PM	Correlative and Combined Methods	Comparison of irradiation-induced clustering in proton irradiated A508 Gr 4N steel via analytical STEM EDX and atom probe tomography	James Douglas	149
2:30 PM	Correlative and Combined Methods	Solidification cracking during Selective Laser Melting (SLM) of nickel-base superalloy Inconel-738LC	Avinash Hariharan	23
2:45 PM	Correlative and Combined Methods	Combined TEM and APT characterization of multi-phase oxides formed during metal oxidation and corrosion	Daniel Schreiber	229
3:00 PM	Break			
3:15 PM	Break			
3:30 PM	Correlative and Combined Methods	APT/TEM analyses of solute segregations along dislocations and solute clustering in bake-hardenable magnesium alloy	Taisuke Sasaki	169
3:45 PM	Correlative and Combined Methods	The Role of Atom Probe Tomography on the Development of New High Performance Materials	Paraskevas Kontis	7
4:00 PM	Sparse Data Overview			
4:15 PM	Sparse Data Overview			
4:30 PM	Sparse Data Overview			
4:45 PM	Sparse Data Overview			
5:00 PM				
5:15 PM				
5:30 PM				
5:45 PM				
6:00 PM				
6:15 PM				
6:30 PM				
6:45 PM				
7:00 PM				

Start Time	Tuesday Portrait Room	Title	Speaker	ID #
7:00 AM				
7:15 AM				
7:30 AM				
7:45 AM				
8:00 AM				
8:15 AM				
8:30 AM				
8:45 AM				
9:00 AM				
9:15 AM				
9:30 AM	Break			
9:45 AM	Break			
10:00 AM	Laser/Matter Interactions	Laser-assisted Field Evaporation of Semiconductors and Insulators	Yu Xia	18
10:15 AM	Laser/Matter Interactions	Estimation of relative evaporation field strength of bulk oxide-composite and comprehension of evaporation mechanism	Chang-Min Kwak	56
10:30 AM	Laser/Matter Interactions	Distinctive bond breaking in crystalline phase-change materials	Oana Cojocaru-Mirédin	79
10:45 AM	Laser/Matter Interactions	Study of optical and thermal properties of diamond nanowires by Laser assisted Atom Probe Tomography	Jonathan Houard	104
11:00 AM	Laser/Matter Interactions	Optical measurements of the tensile stress induced by a high electric fieldin diamond nanoscale needles	Linda Venturi	72
11:15 AM	Laser/Matter Interactions	Study of electrical conduction properties of diamond nanoneedles, by ion spectroscopy in field ion microscopy	Angela Vella	144
11:30 AM	Break			
11:45 AM	Break			
12:00 PM	Break			
12:15 PM	Break			
12:30 PM	Break			
12:45 PM	Break			
1:00 PM	Semiconductors and Devices	Atom Probe Study of Silicon-based Device Structures	Yasuo Shimizu	239
1:15 PM	(Invited)			
1:30 PM	Semiconductors and Devices	Atom probe analysis of surface regions of iron contaminated silicon subjected to Phosphorus Diffusion Gettering	James Douglas	148
1:45 PM	Semiconductors and Devices	Quantification of boron dopant profiles in SiGe-based HBT devices	Eric Jones	209
2:00 PM	Semiconductors and Devices	Semiconductor Device Failure Analysis with Atom Probe Tomography	Devin Giddings	114
2:15 PM	Semiconductors and Devices	Growth Mechanism of III-V Group Core-shell Structured Nanowires (invited)	Rongkun Zheng	26
2:30 PM	(Invited)			
2:45 PM	Semiconductors and Devices	Direct Detection of Rare Earth Ion Distributions in Gallium Nitride	Brandon Mitchell	109
3:00 PM	Break			
3:15 PM	Break			
3:30 PM	Semiconductors and Devices	Correlative TEM and APT microscopies to investigate Mg distribution in p-doped GaN nanostructuresGaN nanostructures	Adeline Grenier	70
3:45 PM	Semiconductors and Devices	Application of Atom probe tomography for engineering Beta-$(Al_xGa_{1-x})_2O_3$, a wide band gap semiconductor	Baishakhi Mazumder	199
4:00 PM	Semiconductors and Devices	APT and its future in the semiconductor industry	Paul van der Heide	6
4:15 PM	(Invited)			
4:30 PM	Semiconductors and Devices	Microstructural Characterization of Sulfurization Effects in $Cu(In, Ga)Se_2$Thin Film Solar Cells	Hisham Aboulfadl	91
4:45 PM	Semiconductors and Devices	Nanoscale investigation of $GeTe-Sb_2Te_3$ superlattices	Oana Cojocaru-Mirédin	78
5:00 PM	Semiconductors and Devices	Spatial Statistics as a Quantitative Tool to Study Morphology in Organic Light-Emitting Diodes	Matt Jaskot	211
5:15 PM				
5:30 PM				
5:45 PM				
6:00 PM				
6:15 PM				
6:30 PM				
6:45 PM				
7:00 PM				

Start Time	Tuesday Poster Hallway	Start Time	Tuesday Computer Lab
7:00 AM		7:00 AM	
7:15 AM		7:15 AM	
7:30 AM		7:30 AM	
7:45 AM		7:45 AM	
8:00 AM		8:00 AM	
8:15 AM		8:15 AM	
8:30 AM		8:30 AM	
8:45 AM		8:45 AM	
9:00 AM		9:00 AM	
9:15 AM		9:15 AM	
9:30 AM	Coffee	9:30 AM	
9:45 AM	Coffee	9:45 AM	
10:00 AM		10:00 AM	
10:15 AM		10:15 AM	
10:30 AM		10:30 AM	
10:45 AM		10:45 AM	
11:00 AM		11:00 AM	
11:15 AM		11:15 AM	
11:30 AM	Posters	11:30 AM	
11:45 AM	Posters	11:45 AM	
12:00 PM	Posters	12:00 PM	
12:15 PM	Posters	12:15 PM	
12:30 PM	Posters	12:30 PM	
12:45 PM	Posters	12:45 PM	
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2:30 PM		2:30 PM	
2:45 PM		2:45 PM	
3:00 PM	Coffee	3:00 PM	
3:15 PM	Coffee	3:15 PM	
3:30 PM		3:30 PM	
3:45 PM		3:45 PM	
4:00 PM		4:00 PM	
4:15 PM		4:15 PM	IVAS 101
4:30 PM		4:30 PM	IVAS 101
4:45 PM		4:45 PM	IVAS 101
5:00 PM	Poster Session 2	5:00 PM	
5:15 PM	Poster Session 2	5:15 PM	IVAS-Semiconductors
5:30 PM	Poster Session 2	5:30 PM	IVAS-Semiconductors
5:45 PM	Poster Session 2	5:45 PM	IVAS-Semiconductors
6:00 PM		6:00 PM	IVAS-Semiconductors
6:15 PM		6:15 PM	
6:30 PM		6:30 PM	
6:45 PM		6:45 PM	
7:00 PM		7:00 PM	