

Program Overview

Room /Time	Ballroom South
SuA	PCSI-SuA: Topological Materials I & Pervovskites
SuE	PCSI-SuE: Energy & Van der Waals Heterostructures I
MoM	PCSI-MoM: Nanostructured Surfaces/Oxides I/Semiconductor Growth I/New Techniques I
MoA	PCSI-MoA: Magnetism/Spintronics I/Organics/Nanostructures
MoE	PCSI-MoE: Van der Waals Heterostructures II & New Techniques II
TuM	PCSI-TuM: Complex Oxides I/Topological Materials II/Semiconductor Growth I-Extended
TuE	PCSI-TuE: Majorana Fermions in Atomic Structures
WeM	PCSI-WeM: Spintronics II/Van der Waals Heterostructures II/Semiconductor Interfaces/Complex Oxides II
WeA	PCSI-WeA: Semiconductor Growth III/Wide Gap/Oxide Interfaces/Low-D Structures
ThM	PCSI-ThM: Grande Finale

Sunday Afternoon, January 15, 2017

PCSI Room Ballroom South - Session PCSI-SuA Topological Materials I & Pervovskites Moderators: Scott Crooker, Los Alamos National Laboratory, Peter Krogstrup, Niels Bohr Institute	
3:00pm	INVITED: PCSI-SuA-1 Topological Superconductivity and Majorana Zero Modes on β -Bi ₂ Pd Thin Films, <i>Can-Li Song</i> , Tsinghua University, China
3:05pm	Invited talk continues.
3:10pm	Invited talk continues.
3:15pm	Invited talk continues.
3:20pm	Invited talk continues.
3:25pm	Invited talk continues.
3:30pm	PCSI-SuA-7 Origin of the Helicity Dependent Photocurrent in Electrically Gated (Bi _{1-x} Sb _x) ₂ Te ₃ Thin Films, <i>Yu Pan, N Samarth, C Liu, Q Wang</i> , Penn State University; <i>A Yeats, D Awschalom</i> , University of Chicago
3:35pm	Talk continues.
3:40pm	Talk continues.
3:45pm	INVITED: PCSI-SuA-10 High-efficiency Hybrid Perovskite Based Optoelectronic Devices with Technologically Relevant Stability, <i>Aditya Mohite</i> , Los Alamos National Laboratory
3:50pm	Invited talk continues.
3:55pm	Invited talk continues.
4:00pm	Invited talk continues.
4:05pm	Invited talk continues.
4:10pm	Invited talk continues.
4:15pm	PCSI-SuA-16 The Origin of High Photovoltaic Efficiencies in Large-grain Organic-Inorganic Perovskites, <i>Jean-Christophe Blancon, W Nie, A Neukirch, S Tretiak</i> , Los Alamos National Laboratory; <i>L Cagnet</i> , Institut d'optique & CNRS; <i>A Mohite, J Crochet</i> , Los Alamos National Laboratory
4:20pm	PCSI-SuA-17 Origin of Photo-absorption and Photo-emission in Two-dimensional Ruddlesden-Popper Perovskites, <i>Jean-Christophe Blancon, H Tsai, W Nie, A Stier</i> , Los Alamos National Laboratory; <i>L Pedesseau</i> , INSA de Rennes; <i>C Stoumpos, M Kanatzidis</i> , Northwestern University; <i>J Even</i> , INSA de Rennes; <i>S Crooker, J Crochet, A Mohite</i> , Los Alamos National Laboratory
4:25pm	PCSI-SuA-18 Tin Oxide Atomic Layer Deposition on Hybrid Lead Halide Perovskites for Tandem Photovoltaics, <i>Axel Palmstrøm, K Bush, J Raiford, M McGehee, S Bent</i> , Stanford University

Sunday Evening, January 15, 2017

PCSI Room Ballroom South - Session PCSI-SuE Energy & Van der Waals Heterostructures I Moderators: Leonard Brillson, Ohio State University, Arend van der Zande, University of Illinois at Urbana Champaign	
7:30pm	INVITED: PCSI-SuE-1 Understanding Surface Chemistry of Atomic Layer Deposition: Toward Renewable Energy Applications, <i>Stacey Bent</i> , Stanford University
7:35pm	Invited talk continues.
7:40pm	Invited talk continues.
7:45pm	Invited talk continues.
7:50pm	Invited talk continues.
7:55pm	Invited talk continues.
8:00pm	PCSI-SuE-7 Li-ion Synaptic Transistor for Low Power Analogue Computing (LISTA), <i>Alec Talin</i> , Sandia
8:05pm	Talk continues.
8:10pm	Talk continues.
8:15pm	INVITED: PCSI-SuE-10 The World of 2D: It's All About Interfaces, <i>Joshua Robinson</i> , Penn State
8:20pm	Invited talk continues.
8:25pm	Invited talk continues.
8:30pm	Invited talk continues.
8:35pm	Invited talk continues.
8:40pm	Invited talk continues.
8:45pm	PCSI-SuE-16 One-dimensional Metals in Twin Grain Boundaries of MoSe ₂ , <i>Y Ma, H Coy Diaz, S Kolekar</i> , University of South Florida; <i>J Avila, M Asensio</i> , Synchrotron SOLEIL; <i>J Carmelo</i> , University of Minho; <i>Matthias Batzill</i> , University of South Florida
8:50pm	Talk continues.
8:55pm	Talk continues.

Monday Morning, January 16, 2017

<p>PCSI Room Ballroom South - Session PCSI-MoM Nanostructured Surfaces/Oxides I/Semiconductor Growth I/New Techniques I Moderators: Aaron Arehart, The Ohio State University, Stacey Bent, Stanford University, Shane Johnson, Arizona State University, Frances Ross, IBM T. J. Watson Research Center</p>	
8:30am	INVITED: PCSI-MoM-1 Quantum dots created by atom manipulation with the scanning tunneling microscope, <i>Stefan Fölsch</i> , Paul-Drude-Institut für Festkörperelektronik, Germany
8:35am	Invited talk continues.
8:40am	Invited talk continues.
8:45am	Invited talk continues.
8:50am	Invited talk continues.
8:55am	Invited talk continues.
9:00am	PCSI-MoM-7 Distance-Dependence of Chemical Interactions and Image Contrast Reversal in Noncontact Atomic Force Microscopy: A Case Study on Highly Oriented Pyrolytic Graphite, <i>Omur Dagdeviren, J Goetzen, E Altman, U Schwarz</i> , Yale University
9:05am	PCSI-MoM-8 Epitaxial Graphene Induced Surface Reconstruction in Ge(110), <i>Gavin Campbell</i> , Northwestern University; <i>B Kiraly</i> , Northwestern University, Netherlands; <i>R Jacobberger</i> , University of Wisconsin-Madison; <i>A Mannix</i> , Northwestern University; <i>M Arnold</i> , University of Wisconsin-Madison; <i>N Guisinger</i> , Argonne National Laboratory; <i>M Hersam, M Bedzyk</i> , Northwestern University
9:10am	
9:15am	INVITED: PCSI-MoM-10 Emerging Memory Technologies and the Future of Computing, <i>Matthew Marinella</i> , Sandia National Laboratories
9:20am	Invited talk continues.
9:25am	Invited talk continues.
9:30am	Invited talk continues.
9:35am	Invited talk continues.
9:40am	Invited talk continues.
9:45am	PCSI-MoM-16 Optochemical Sensing using Metal Oxide Nanoparticles: Adsorption and Detection, <i>James Whitten, S Kim, R Somaratne, C Granz, S Sengupta</i> , The University of Massachusetts Lowell
9:50am	PCSI-MoM-17 Strained MoO ₃ /MoS ₂ Heterostructures: Facile Fabrication, Structure and Electronic Properties, <i>Vijay Saradhi Mangu, S Brueck, F Cavallo</i> , University of New Mexico
9:55am	PCSI-MoM-18 Photoinduced Electron Transfer Across Single Crystal Oxide Electrolyte Interfaces, <i>Bruce Parkinson</i> , University of Wyoming
10:00am	Coffee Break & Poster Viewing
10:05am	Coffee Break & Poster Viewing
10:10am	Coffee Break & Poster Viewing
10:15am	Coffee Break & Poster Viewing
10:20am	Coffee Break & Poster Viewing
10:25am	Coffee Break & Poster Viewing
10:30am	Coffee Break & Poster Viewing
10:35am	Coffee Break & Poster Viewing
10:40am	Coffee Break & Poster Viewing
10:45am	Coffee Break & Poster Viewing
10:50am	Coffee Break & Poster Viewing
10:55am	Coffee Break & Poster Viewing
11:00am	INVITED: PCSI-MoM-31 The Atomic-Scale Mechanisms of Ternary Semiconductor Alloy Growth: Self-limited vs. Accumulating Anion Processes, <i>Joanna Millunchick, G Rodriguez, C Tait, E Anderson</i> , University of Michigan
11:05am	Invited talk continues.
11:10am	Invited talk continues.
11:15am	Invited talk continues.
11:20am	Invited talk continues.
11:25am	Invited talk continues.
11:30am	PCSI-MoM-37 Preparation of InSb Surfaces for Molecular Beam Epitaxy Growth and Re-growth, <i>Mihir Pendharkar, J Lee, P Iyer, B Shojaei, A McFadden, J Schuller, C Palmstrom</i> , University of California, Santa Barbara
11:35am	PCSI-MoM-38 Mechanisms of Light-Assisted Epitaxy of III-V and II-VI Alloys, <i>Kirstin Alberi, K Park, D Beaton</i> , National Renewable Energy Laboratory; <i>M Scarpulla</i> , University of Utah

Monday Morning, January 16, 2017

11:40am	PCSI-MoM-39 <i>Ab initio</i> -based Approach to Adsorption of In atom with Strain Relaxation on InAs Wetting Layer Surface Grown on GaAs(001), Ryo Kaida , <i>T Akiyama, K Nakamura, T Ito</i> , Mie University, Japan
11:45am	INVITED: PCSI-MoM-40 Atom Probe Tomography of Low-Dimensional Materials: III-As Nanowire Heterostructures and Doped Layered Chalcogenides, Lincoln Lauhon , Northwestern University
11:50am	Invited talk continues.
11:55am	Invited talk continues.
12:00pm	Invited talk continues.
12:05pm	Invited talk continues.
12:10pm	Invited talk continues.
12:15pm	PCSI-MoM-46 High Aspect Ratio GaN Nanowires for Tip Metrology and Optical Application, Mahmoud Behzadrad , <i>M Nami, D Feezell, T Busani</i> , University of New Mexico
12:20pm	PCSI-MoM-47 Nanoscale Chemical Imaging with Photo-induced Force Microscopy, Thomas Albrecht , Molecular Vista
12:25pm	PCSI-MoM-48 Z-Scan Photo-Reflectance Characterization of Resonant Optical Nonlinearities of Surfaces, Will Chism , Xitronix Corporation

Monday Afternoon, January 16, 2017

<p>PCSI Room Ballroom South - Session PCSI-MoA Magnetism/Spintronics I/Organics/Nanostructures Moderators: Martin Brandt, Walter Schottky Institut, Technische Universität München, Paul M. Koenraad, Eindhoven University of Technology, Netherlands, Daniel Loss, University of Basel, Giovanni Vignale, University of Missouri-Columbia</p>	
2:00pm	INVITED: PCSI-MoA-1 Magnetic Dipole-dipole Sensing at Atomic Scale using Electron Spin Resonance STM, <i>Taeyoung Choi</i> , <i>W Paul</i> , IBM Almaden Research Center; <i>S Rolf-Pissarczyk</i> , Max Planck Institute for the Structure and Dynamics of Matter, Germany; <i>A Macdonald</i> , University of British Columbia, Canada; <i>K Yang</i> , IBM Almaden Research Center; <i>F Natterer</i> , École Polytechnique Fédérale de Lausanne, Switzerland; <i>C Lutz</i> , IBM Almaden Research Center; <i>A Heinrich</i> , Ewha Woman University, Republic of Korea
2:05pm	Invited talk continues.
2:10pm	Invited talk continues.
2:15pm	Invited talk continues.
2:20pm	Invited talk continues.
2:25pm	Invited talk continues.
2:30pm	PCSI-MoA-7 Mechanism of Stabilization and Magnetization of Impurity-doped Zigzag Graphene Nanoribbons, <i>Y Uchida</i> , <i>S Gomi</i> , <i>H Matsuyama</i> , <i>A Akaishi</i> , <i>Jun Nakamura</i> , The University of Electro-Communications (UEC-Tokyo), Japan
2:35pm	PCSI-MoA-8 Magnetoresistance and Electrically Detected Magnetic Resonance Study of Leakage Currents in Low-k Dielectrics, <i>Ryan Waskiewicz</i> , <i>M Mutch</i> , <i>P Lenahan</i> , Penn State University; <i>S King</i> , Intel Corporation
2:40pm	PCSI-MoA-9 Interface Characterization via Spin Dependent Charge Pumping, <i>Mark Anders</i> , <i>P Lenahan</i> , Penn State University; <i>A Lelis</i> , U. S. Army Laboratory
2:45pm	INVITED: PCSI-MoA-10 Theory of the Nonlocal Anomalous Hall Effect, <i>Giovanni Vignale</i> , <i>S Zhang</i> , University of Missouri-Columbia
2:50pm	Invited talk continues.
2:55pm	Invited talk continues.
3:00pm	Invited talk continues.
3:05pm	Invited talk continues.
3:10pm	Invited talk continues.
3:15pm	PCSI-MoA-16 Spin-Polarized Current Injection Induced Magnetic Reconstruction at Oxide Interface, <i>Gunter Luepke</i> , College of William & Mary
3:20pm	
3:25pm	
3:30pm	Coffee Break & Poster Viewing
3:35pm	Coffee Break & Poster Viewing
3:40pm	Coffee Break & Poster Viewing
3:45pm	Coffee Break & Poster Viewing
3:50pm	Coffee Break & Poster Viewing
3:55pm	Coffee Break & Poster Viewing
4:00pm	Coffee Break & Poster Viewing
4:05pm	Coffee Break & Poster Viewing
4:10pm	Coffee Break & Poster Viewing
4:15pm	Coffee Break & Poster Viewing
4:20pm	Coffee Break & Poster Viewing
4:25pm	Coffee Break & Poster Viewing
4:30pm	INVITED: PCSI-MoA-31 Organics Invited 2, <i>Markus Wohlgenannt</i> , University of Iowa
4:35pm	Invited talk continues.
4:40pm	Invited talk continues.
4:45pm	Invited talk continues.
4:50pm	Invited talk continues.
4:55pm	Invited talk continues.
5:00pm	PCSI-MoA-37 Microwave Magnetization Dynamics in Room Temperature Organic-Based Magnets: From Fundamental Studies to Emerging Applications, <i>Ezekiel Johnston-Halperin</i> , <i>M Chilcote</i> , <i>A Franson</i> , <i>M Harberts</i> , <i>Y Lu</i> , <i>H Yu</i> , The Ohio State University; <i>N Zhu</i> , Yale University; <i>I Froning</i> , The Ohio State University; <i>X Zhang</i> , Yale University; <i>R Adur</i> , <i>C Hammel</i> , <i>A Epstein</i> , The Ohio State University; <i>M Flatte</i> , University of Iowa; <i>H Tang</i> , Yale University

Monday Afternoon, January 16, 2017

5:05pm	PCSI-MoA-38 Characterization of Energy Conversion Behavior in Nanostructured PEDOT Polymer-Graphene Composite, <i>M Sakr, S Abdel-Nasser, Mohamed Serry</i> , American University in Cairo, Egypt
5:10pm	PCSI-MoA-39 Applications of Switchable Interfacial Dopants, <i>Peter Kruse, A Mohtasebi, T Chowdhury, E Hoque, O Sharif</i> , McMaster University, Canada
5:15pm	PCSI-MoA-40 On the Possibility of the Development of Vicinal Superlattices in Quantum Wires on Semiconductor Low - Index Surfaces, <i>Victor Petrov</i> , Russian Academy of Science, Russian Federation
5:20pm	PCSI-MoA-41 Site-dependent Oxygen Reduction Reaction of N-doped Graphene Nanoclusters, <i>Haruyuki Matsuyama, S Gomi, M Ushirozako, A Akaishi, J Nakamura</i> , The University of Electro-Communications (UEC-Tokyo), Japan
5:25pm	PCSI-MoA-42 Nanopore Formation with Au Cluster via Ostwald Ripening for Optical Nanobio Sensor, <i>SeongSoo Choi, M Park, C Han, S Oh</i> , SunMoon University, Republic of Korea; <i>D Park</i> , Hallym University, South Korea; <i>Y Kim</i> , Sungkyunkwan University, Republic of Korea; <i>N Park</i> , Seoul National University, Republic of Korea
5:30pm	PCSI-MoA-43 Tunable-Composition Multi-Component Thin Films using Split-Target Pulsed Laser Deposition, <i>Wayne McGinnis, A Hening, T Emery-Adleman</i> , SPAWAR Systems Center Pacific
5:35pm	PCSI-MoA-44 Effective Nitrogen Doping into TiO ₂ for Visible Light Response Photocatalysis by Ion Implantation Technique, <i>Tomoko Yoshida</i> , Osaka City University, Japan; <i>S Niimi, M Yamamoto, S Yagi</i> , Nagoya University, Japan
5:40pm	PCSI-MoA-45 Study on Photodeposition Process of Pt Nanoparticles on TiO ₂ Photocatalyst by XAFS Spectroscopy, <i>Yuji Nakano, M Akatsuka, M Yamamoto, C Tsukada, S Ogawa, S Yagi</i> , Nagoya University, Japan; <i>T Yoshida</i> , Osaka City University, Japan

Monday Evening, January 16, 2017

PCSI Room Ballroom South - Session PCSI-MoE Van der Waals Heterostructures II & New Techniques II Moderators: Lincoln Lauhon, Northwestern University, Kyle Seyler, University of Washington	
7:30pm	INVITED: PCSI-MoE-1 Controlled Interfaces in 2D Materials, <i>Arend van der Zande</i> , University of Illinois at Urbana Champaign
7:35pm	Invited talk continues.
7:40pm	Invited talk continues.
7:45pm	Invited talk continues.
7:50pm	Invited talk continues.
7:55pm	Invited talk continues.
8:00pm	PCSI-MoE-7 Long-lived Spin/Valley Dynamics of Resident Electron and Holes in Gated Monolayer WSe_2 , <i>Prasenjit Dey</i> , <i>L Yang</i> , <i>S Crooker</i> , Los Alamos National Laboratory; <i>C Robert</i> , <i>G Wang</i> , <i>B Urbaszek</i> , <i>X Marie</i> , Institut National des Sciences Appliquées, LPCNO
8:05pm	Talk continues.
8:10pm	Talk continues.
8:15pm	INVITED: PCSI-MoE-10 Building Complex Semiconductor Nanowires via <i>in situ</i> Growth Experiments, <i>Frances Ross</i> , IBM T. J. Watson Research Center
8:20pm	Invited talk continues.
8:25pm	Invited talk continues.
8:30pm	Invited talk continues.
8:35pm	Invited talk continues.
8:40pm	Invited talk continues.
8:45pm	PCSI-MoE-16 GaN Nanowires as Probes for Scanning Tunneling Microscopy, <i>Sofie Yngman</i> , Lund University, Sweden; <i>O Scholder</i> , Lund University, Sweden; <i>F Lenrick</i> , <i>M Khalilian</i> , <i>R Timm</i> , <i>L Samuelson</i> , <i>J Ohlsson</i> , <i>A Mikkelsen</i> , Lund University, Sweden
8:50pm	PCSI-MoE-17 TERS: New Method for Nanoscale Characterization of 2D Materials - from Graphene to TMDCs., <i>Andrey Krayev</i> , <i>S Bashkirov</i> , <i>V Gavriluk</i> , <i>D Evplov</i> , <i>V Zhizhimontov</i> , <i>A Robinson</i> , AIST-NT Inc.; <i>M Chaigneau</i> , Horiba Scientific
8:55pm	PCSI-MoE-18 Robust High-Resolution Imaging and Quantitative Force Spectroscopy in Vacuum with Tuned-Oscillator Atomic Force Microscopy, <i>Omur Dagdeviren</i> , <i>J Goetzen</i> , Yale University; <i>H Hoelscher</i> , KIT; <i>E Altman</i> , <i>U Schwarz</i> , Yale University

Tuesday Morning, January 17, 2017

<p>PCSI Room Ballroom South - Session PCSI-TuM Complex Oxides I/Topological Materials II/Semiconductor Growth I-Extended Moderators: Andrew Millis, Columbia University, Joanna Millunchick, University of Michigan, Ann Arbor, Can-Li Song, Tsinghua University</p>	
8:30am	INVITED: PCSI-TuM-1 Polar Metals by Geometric Design, <i>Chang-Beom Eom</i> , University of Wisconsin-Madison
8:35am	Invited talk continues.
8:40am	Invited talk continues.
8:45am	Invited talk continues.
8:50am	Invited talk continues.
8:55am	Invited talk continues.
9:00am	PCSI-TuM-7 Scavenging of Oxygen from SrTiO ₃ during Oxide Thin Film Deposition and 2DEG at Oxide Interfaces, <i>A Posadas, K Kormondy, W Guo, P Ponath, J Geler Kremer, Alexander Demkov</i> , The University of Texas
9:05am	Talk continues.
9:10am	Talk continues.
9:15am	INVITED: PCSI-TuM-10 Realization of a Vertical Topological p-n Junction in Sb ₂ Te ₃ /Bi ₂ Te ₃ Heterostructures, <i>Gregor Mussler, M Eschbach, M Lanius, N Demarina, M Luysberg, L Plucinski, D Grützmacher</i> , Forschungszentrum Jülich, Germany
9:20am	Invited talk continues.
9:25am	Invited talk continues.
9:30am	Invited talk continues.
9:35am	Invited talk continues.
9:40am	Invited talk continues.
9:45am	PCSI-TuM-16 Surface Structure and Electronic Properties of Epitaxial Topological Crystalline Insulator Films, <i>Omur Dagdeviren, C Zhou, K Zou, G Simon, S Albright, S Mandal, M Acosta, X Zhu, S Beigi, F Walker, C Ahn, U Schwarz, E Altman</i> , Yale University
9:50am	
9:55am	
10:00am	Coffee Break & Poster Viewing
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10:10am	Coffee Break & Poster Viewing
10:15am	Coffee Break & Poster Viewing
10:20am	Coffee Break & Poster Viewing
10:25am	Coffee Break & Poster Viewing
10:30am	Coffee Break & Poster Viewing
10:35am	Coffee Break & Poster Viewing
10:40am	Coffee Break & Poster Viewing
10:45am	Coffee Break & Poster Viewing
10:50am	Coffee Break & Poster Viewing
10:55am	Coffee Break & Poster Viewing
11:00am	INVITED: PCSI-TuM-31 Epitaxial Semiconductor – Superconductor Hybrid Materials for Topological Superconductivity, <i>Peter Krogstrup</i> , Niels Bohr Institute, Denmark
11:05am	Invited talk continues.
11:10am	Invited talk continues.
11:15am	Invited talk continues.
11:20am	Invited talk continues.
11:25am	Invited talk continues.
11:30am	PCSI-TuM-37 One-dimensional Electronic Transport in Epitaxial-Al/InAs Quantum Well Heterostructures, <i>JoonSue Lee, B Shojaei, M Pendharkar, A McFadden, C Palmstrom, Y Kim</i> , University of California, Santa Barbara; <i>M Kjaergaard, C Marcus</i> , Niels Bohr Institute, Denmark
11:35am	PCSI-TuM-38 Theoretical Investigations for the Stability and Electronic Structures of Two-dimensional Group-IV Ternary Alloy Monolayers, <i>Toru Akiyama, G Yoshimura, K Nakamura, T Ito</i> , Mie University, Japan
11:40am	PCSI-TuM-39 A Simple Interpretation for Heteroepitaxial Growth Mode in Terms of Surface and Interface, <i>Tomonori Ito, T Akiyama, K Nakamura</i> , Mie University, Japan
11:45am	PCSI-TuM-40 Surface Mediated Formation of Horizontal ErSb Nanowires, <i>Nathaniel Wilson, S Kraemer, C Palmstrom</i> , University of California, Santa Barbara
11:50am	Talk continues.
11:55am	Talk continues.
12:00pm	PCSI-TuM-43 Effect of Ga-Dangling Bonds at the GaSb/GaAs Interface of GaSb TPV Cells Grown on GaAs Substrates by IMF Technique, <i>Emma Renteria, A Mansoori, S Addamane, A Soudachanh, G Balakrishnan</i> , University of New Mexico
12:05pm	PCSI-TuM-44 Surface Recombination in Sb-based Infrared Detectors Obtained by Release and Transfer of Membranes, <i>Marziyeh Zamiri</i> , University of New Mexico; <i>B Klein</i> , Sandia National Laboratory; <i>V Dahiya, F Cavallo, S Krishna</i> , University of New Mexico

Tuesday Evening, January 17, 2017

PCSI Room Ballroom South - Session PCSI-TuE Majorana Fermions in Atomic Structures Moderator: Paul M. Koenraad, Eindhoven University of Technology, Netherlands	
7:30pm	INVITED: PCSI-TuE-1 From Majorana Fermions to Parafermions in Nanowires and Atomic Chains, Daniel Loss , University of Basel, Switzerland
7:35pm	Invited talk continues.
7:40pm	Invited talk continues.
7:45pm	Invited talk continues.
7:50pm	Invited talk continues.
7:55pm	Invited talk continues.
8:00pm	INVITED: PCSI-TuE-7 Probing Atomic Structure and Majorana Wavefunctions in Mono-Atomic Fe-chains on Superconducting Pb-Surface, Rémy Pawlak , <i>M Kisiel, J Klinovaja, T Meier, S Kawai, T Glatzel, D Loss, E Meyer</i> , University of Basel, Switzerland
8:05pm	Invited talk continues.
8:10pm	Invited talk continues.
8:15pm	Invited talk continues.
8:20pm	Invited talk continues.
8:25pm	Invited talk continues.
8:30pm	INVITED: PCSI-TuE-13 Majorana Fermions in Atomic Chains: Spin and Charge Signatures, Ali Yazdani , Princeton University
8:35pm	Invited talk continues.
8:40pm	Invited talk continues.
8:45pm	Invited talk continues.
8:50pm	Invited talk continues.
8:55pm	Invited talk continues.

Wednesday Morning, January 18, 2017

PCSI Room Ballroom South - Session PCSI-WeM Spintronics II/Van der Waals Heterostructures II/Semiconductor Interfaces/Complex Oxides II Moderators: Aaron Arehart, The Ohio State University, Michael Flatte, University of Iowa, Masataka Higashiwaki, National Institute of Information and Communications Technology, Chakrapani Varanasi, ARO	
8:30am	INVITED: PCSI-WeM-1 Current Switching of a Single Ferromagnetic Layer, <i>Chia-Ling Chien</i> , Johns Hopkins University
8:35am	Invited talk continues.
8:40am	Invited talk continues.
8:45am	Invited talk continues.
8:50am	Invited talk continues.
8:55am	Invited talk continues.
9:00am	PCSI-WeM-7 Epitaxial Heusler Superlattices with Perpendicular Magnetization, <i>Tobias Brown-Heft, A McFadden, J Logan, C Palmstrom</i> , University of California, Santa Barbara
9:05am	PCSI-WeM-8 Interface-dependent Spin Transfer Torque at Ferromagnetic Topological-Insulator Contacts, <i>Sarmita Majumder</i> , University of Texas, Austin
9:10am	PCSI-WeM-9 Annealing Effects on Interfacial Electronic Structure in Epitaxial Co ₂ MnSi/MgO/CoFe Magnetic Tunnel Junctions, <i>Anthony McFadden, T Brown-Heft, C Palmstrom</i> , University of California, Santa Barbara
9:15am	INVITED: PCSI-WeM-10 Valley Excitons in van der Waals Heterostructures, <i>Kyle Seyler, P Rivera, D Zhong</i> , University of Washington; <i>J Schaibley</i> , University of Arizona; <i>X Linpeng, B Huang, E Schmidgall</i> , University of Washington; <i>R Cheng</i> , Carnegie Mellon University; <i>H Yu</i> , University of Hong Kong; <i>M McGuire, J Yan, D Mandrus</i> , Oak Ridge National Laboratory; <i>W Yao</i> , University of Hong Kong; <i>D Xiao</i> , Carnegie Mellon University; <i>K Fu, X Xu</i> , University of Washington
9:20am	Invited talk continues.
9:25am	Invited talk continues.
9:30am	Invited talk continues.
9:35am	Invited talk continues.
9:40am	Invited talk continues.
9:45am	PCSI-WeM-16 Influence of the Dielectric Environment on Exciton Properties in 2D Semiconductors: Insights from High Magnetic Fields, <i>Andreas Stier</i> , Los Alamos National Laboratory; <i>N Wilson, G Clark, X Xu</i> , University of Washington; <i>S Crooker</i> , Los Alamos National Laboratory
9:50am	PCSI-WeM-17 Electronic Properties and Defects in Germanane, <i>Thaddeus Asel, E Yanchenko, S Jiang, K Krymowski, W Windl, J Goldberger, L Brillson</i> , The Ohio State University
9:55am	PCSI-WeM-18 Electrostatic Doping and Hybrid Carriers in Graphene on a Polar SrTiO ₃ (111) Surface: Theoretical Investigation, <i>D Shin, Alexander Demkov</i> , The University of Texas
10:00am	Coffee Break & Poster Viewing
10:05am	Coffee Break & Poster Viewing
10:10am	Coffee Break & Poster Viewing
10:15am	Coffee Break & Poster Viewing
10:20am	Coffee Break & Poster Viewing
10:25am	Coffee Break & Poster Viewing
10:30am	Coffee Break & Poster Viewing
10:35am	Coffee Break & Poster Viewing
10:40am	Coffee Break & Poster Viewing
10:45am	Coffee Break & Poster Viewing
10:50am	Coffee Break & Poster Viewing
10:55am	Coffee Break & Poster Viewing
11:00am	INVITED: PCSI-WeM-31 Dielectric Related Issues in GaN Based MIS HEMTs, <i>Gaudenzio Meneghesso</i> , University of Padova, DEI, Italy; <i>D Bisi, I Rossetto, M Ruzzarin, C De Santi, M Meneghini, E Zanoni</i> , University of Padova - DEI, Italy
11:05am	Invited talk continues.
11:10am	Invited talk continues.
11:15am	Invited talk continues.
11:20am	Invited talk continues.
11:25am	Invited talk continues.
11:30am	PCSI-WeM-37 Device Physics Modeling of Metal-Semiconductor Interfaces from an Induced Gap State Perspective, <i>John Wager, K Kuhn</i> , Oregon State University
11:35am	PCSI-WeM-38 Investigation of ZnO/PbS Nanocrystal Interfaces for Photonic Device Applications, <i>Diogenes Placencia</i> , Naval Research Laboratory; <i>I Sellers</i> , University of Oklahoma; <i>J Boercker, J Tischler</i> , Naval Research Laboratory

Wednesday Morning, January 18, 2017

11:40am	PCSI-WeM-39 Defect Density Reduction in Core layer of ZnTe Electro-Optical Waveguide by Low Lattice Mismatched Interfaces, Wei-Che Sun , Waseda University, Japan; <i>T Nakasu, K Odaka</i> , Waseda University; <i>M Kobayashi</i> , Waseda University, Japan; <i>T Asahi</i> , JX Nippon Mining & Metals Corp.
11:45am	INVITED: PCSI-WeM-40 Charge Transfer and Lattice Strain at Oxide Interfaces: Emergent Mottness, Multiferroicity and Antisite Defects, Andrew Mills , Columbia University
11:50am	Invited talk continues.
11:55am	Invited talk continues.
12:00pm	Invited talk continues.
12:05pm	Invited talk continues.
12:10pm	Invited talk continues.
12:15pm	PCSI-WeM-46 Large Piezoelectric Characteristics of KNbO ₃ Nanorods, SeolHee Oh , Ewha Womans University, Republic of Korea; <i>B Yun, J Jung</i> , Inha University, Republic of Korea; <i>W Jo</i> , Ewha Womans University, Republic of Korea
12:20pm	PCSI-WeM-47 Strain Engineering and Interfacial Effects on the Photovoltaic Response in Epitaxial Complex Oxides, Adrian Podpirka , <i>A Bennett-Jackson, D Imbrenda, Z Gu</i> , Drexel University; <i>V Fridkin</i> , Drexel University/Shubnikov Inst. for Crystallography
12:25pm	PCSI-WeM-48 Symmetry Breaking in Abnormally Elongated PbVO ₃ Thin Films Epitaxially Grown by Pulsed Laser Ablation, SeolHee Oh , Ewha Womans University, Republic of Korea; <i>C Roh, J Lee</i> , Gwangju Institute of Science and Technology (GIST), Republic of Korea; <i>W Jo</i> , Ewha Womans University, Republic of Korea

Wednesday Afternoon, January 18, 2017

<p>PCSI Room Ballroom South - Session PCSI-WeA Semiconductor Growth III/Wide Gap/Oxide Interfaces/Low-D Structures Moderators: Chang-Beom Eom, University of Wisconsin-Madison, Stefan Fölsch, Paul-Drude-Institut für Festkörperelektronik, Gaudenzio Meneghesso, University of Padova - DEI, Markus Wohlgemant, University of Iowa</p>	
2:00pm	INVITED: PCSI-WeA-1 The Application of Bismuth as a Surfactant During the Growth of Strain-balanced InAs/InAsSb Superlattices, <i>Shane Johnson, P Webster</i> , Arizona State University
2:05pm	Invited talk continues.
2:10pm	Invited talk continues.
2:15pm	Invited talk continues.
2:20pm	Invited talk continues.
2:25pm	Invited talk continues.
2:30pm	PCSI-WeA-7 Atomic Scale Study of Isovalent Bi Atoms in the (110) InP Surface, <i>Christian Krammel</i> , Eindhoven University of Technology, Netherlands; <i>F Davis-Tilley, M Roy, P Maksym</i> , University of Leicester, UK; <i>L Zhang, P Wang, K Wang, Y Li, S Wang</i> , Chinese Academy of Sciences, China; <i>P Koenraad</i> , Eindhoven University of Technology, Netherlands
2:35pm	Talk continues.
2:40pm	Talk continues.
2:45pm	INVITED: PCSI-WeA-10 Current State-of-the-Art of Gallium Oxide Power Device Technology, <i>Masataka Higashiwaki, M Wong, K Konishi</i> , National Institute of Information and Communications Technology, Japan; <i>K Sasaki, K Goto</i> , Tamura Corporation, Japan; <i>R Tagashi, H Murakami, Y Kumagai</i> , Tokyo University of Agriculture and Technology, Japan; <i>B Monemar</i> , Linköping University, Sweden; <i>A Kuramata, S Yamakoshi</i> , Tamura Corporation, Japan
2:50pm	Invited talk continues.
2:55pm	Invited talk continues.
3:00pm	Invited talk continues.
3:05pm	Invited talk continues.
3:10pm	Invited talk continues.
3:15pm	PCSI-WeA-16 CO ₂ Reduction with H ₂ O over Ga ₂ O ₃ Photocatalysts Prepared at Various Calcination Temperatures, <i>Masato Akatsuka</i> , Nagoya University, Japan
3:20pm	PCSI-WeA-17 ZrO ₂ as a High-k Gate Dielectric for Enhancement-mode AlGaIn/GaN MOS HEMTs, <i>Charles Eddy, Jr., V Wheeler</i> , U.S. Naval Research Laboratory; <i>D Shahin</i> , University of Maryland; <i>T Anderson, M Tadjer, K Koehler, K Hobart</i> , U.S. Naval Research Laboratory; <i>A Christou</i> , University of Maryland; <i>F Kub</i> , U.S. Naval Research Laboratory
3:25pm	PCSI-WeA-18 Defects and Electrical Characteristics of Pt-based Ohmic and Schottky Contacts to ZnO Nanowires, <i>Jon Cox, G Foster, A Jarjour</i> , The Ohio State University; <i>H Von Wenkster, M Grundmann</i> , Universität Leipzig Institut für Experimentelle Physik II, Germany; <i>L Brillson</i> , The Ohio State University
3:30pm	Coffee Break & Poster Viewing
3:35pm	Coffee Break & Poster Viewing
3:40pm	Coffee Break & Poster Viewing
3:45pm	Coffee Break & Poster Viewing
3:50pm	Coffee Break & Poster Viewing
3:55pm	Coffee Break & Poster Viewing
4:00pm	Coffee Break & Poster Viewing
4:05pm	Coffee Break & Poster Viewing
4:10pm	Coffee Break & Poster Viewing
4:15pm	Coffee Break & Poster Viewing
4:20pm	Coffee Break & Poster Viewing
4:25pm	Coffee Break & Poster Viewing
4:30pm	INVITED: PCSI-WeA-31 Investigation of Schottky Contacts and Traps in β-Ga ₂ O ₃ , <i>Aaron Arehart, S Ringel, E Farzana, Z Zhang</i> , The Ohio State University; <i>E Ahmadi, Y Oshima, J Speck</i> , University of California, Santa Barbara
4:35pm	Invited talk continues.
4:40pm	Invited talk continues.
4:45pm	Invited talk continues.
4:50pm	Invited talk continues.
4:55pm	Invited talk continues.
5:00pm	PCSI-WeA-37 Defect Distribution and Electronic Properties of the IrO _x /ZnO Interface, <i>Geoffrey Foster</i> , The Ohio State University; <i>G Mackessy</i> , Columbus School for Girls; <i>A Hyland, M Allen</i> , University of Canterbury, New Zealand; <i>L Brillson</i> , The Ohio State University

Wednesday Afternoon, January 18, 2017

5:05pm	PCSI-WeA-38 Ultrasound Treatment Influence on the Si-SiO ₂ Interface Defects Structure, <i>Daniel Kropman, T Laas</i> , Tallinn University, Estonia; <i>A Medvids</i> , Riga Technical University
5:10pm	PCSI-WeA-39 The Effects of B and Ga Co-doped ZnO Electron Transporting Layer on the Properties of n-ZnO /p- GaN UV Photodetector, <i>J Huang, Linjun Wang, K Tang, Y Shen, F Gu</i> , Shanghai University, China
5:15pm	PCSI-WeA-40 2D Silica and Aluminosilicate Bilayers on Pd(111): From Incommensurate to Commensurate Crystalline, <i>Jin-Hao Jhang, C Zhou, G Hutchings, E Altman</i> , Yale University
5:20pm	PCSI-WeA-41 Electron-phonon Coupling Dynamics for Tunable Bandgap of Transition Metal Dichalcogenide Atomic Layers, <i>Quinton Rice, T Neupane, D Jayakodige, B Tabibi, F Seo</i> , Hampton University
5:25pm	PCSI-WeA-42 Nonlinear Absorption Characteristics of Monolayer and Bilayer/Multilayer of TMDC, <i>Tikaram Neupane, Q Rice, D Jayakodige, B Tabibi, F Seo</i> , Hampton University
5:30pm	PCSI-WeA-43 Graphene Moiré Pattern Ultra-High Resolution Atomic Force Microscopy, <i>B Kim, Gerald Pascual, K Lee</i> , Park Systems Corporation
5:35pm	PCSI-WeA-44 Nucleation of Cu ₂ Te Layer by a Closed Space Sublimation Method Toward the Growth of Te Based Chalcopyrite, <i>Youhei Sakurakawa, A Uruno, M Kobayashi</i> , Waseda University, Japan
5:40pm	PCSI-WeA-45 Gallium Nanoparticles Based Heterostructures for Full Color Thermally Stable Plasmonic and Photonic Platforms, <i>Maria Losurdo</i> , Cnr-Nanotec, Institute of Nanotechnology, Italy; <i>A Suvorova</i> , The University of Western Australia; <i>K Hingerl</i> , Johannes Kepler University Linz; <i>J Humlicek</i> , Masaryk University, CEITEC, Brno.; <i>A Brown</i> , Duke University

Thursday Morning, January 19, 2017

PCSI Room Ballroom South - Session PCSI-ThM Grande Finale Moderator: Chris Palmstrom, University of California, Santa Barbara	
8:30am	INVITED: PCSI-ThM-1 Spin-Dependent Processes in Organic Solar Cells: Recombination at Bulk Heterojunctions, <i>Martin Brandt</i> , Walter Schottky Institut, Technische Universität München, Germany; <i>A Kupijai</i> , Walter Schottky Institute/Technische Universität München, Germany; <i>K Behringer, F Schaeble, N Galfe, M Stutzmann</i> , Walter Schottky Institut, Technische Universität München, Germany
8:35am	Invited talk continues.
8:40am	Invited talk continues.
8:45am	Invited talk continues.
8:50am	Invited talk continues.
8:55am	Invited talk continues.
9:00am	INVITED: PCSI-ThM-7 Exciton Spin Dynamics in Hybrid Organic-inorganic Perovskites, <i>P Odenthal, W Talmadge, N Gundlach, R Wang, C Zhang, D Sun</i> , University of Utah; <i>Z Yu</i> , Washington State University; <i>Z Vardeny, Yan Li</i> , University of Utah
9:05am	Invited talk continues.
9:10am	Invited talk continues.
9:15am	Invited talk continues.
9:20am	Invited talk continues.
9:25am	Invited talk continues.
9:30am	INVITED: PCSI-ThM-13 Group IV-SiGeSn Core/Shell Nanowires, <i>Simone Assali, A Attiaoui, O Moutanabbir</i> , École Polytechnique de Montréal, Canada
9:35am	Invited talk continues.
9:40am	Invited talk continues.
9:45am	Invited talk continues.
9:50am	Invited talk continues.
9:55am	Invited talk continues.

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Niimi, S: PCSI-MoA-44, **7**
— **O** —
Odaka, K: PCSI-WeM-39, **12**
Odenthal, P: PCSI-ThM-7, **15**
Ogawa, S: PCSI-MoA-45, **7**
Oh, S: PCSI-MoA-42, **7**; PCSI-WeM-46, **12**; PCSI-WeM-48, **12**
Ohlsson, J: PCSI-MoE-16, **8**
Oshima, Y: PCSI-WeA-31, **13**
— **P** —
Palmstrøm, A: PCSI-SuA-18, **2**
Palmstrom, C: PCSI-MoM-37, **4**; PCSI-TuM-37, **9**; PCSI-WeM-7, **11**; PCSI-WeM-9, **11**
Palmstrøm, C: PCSI-TuM-40, **9**
Pan, Y: PCSI-SuA-7, **2**
Park, D: PCSI-MoA-42, **7**
Park, K: PCSI-MoM-38, **4**
Park, M: PCSI-MoA-42, **7**
Park, N: PCSI-MoA-42, **7**
Parkinson, B: PCSI-MoM-18, **4**
Pascual, G: PCSI-WeA-43, **14**
Paul, W: PCSI-MoA-1, **6**
Pawlak, R: PCSI-TuE-7, **10**
Pedesseau, L: PCSI-SuA-17, **2**
Pendharkar, M: PCSI-MoM-37, **4**; PCSI-TuM-37, **9**
Petrov, V: PCSI-MoA-40, **7**
Placencia, D: PCSI-WeM-38, **11**
Plucinski, L: PCSI-TuM-10, **9**
Podpirka, A: PCSI-WeM-47, **12**
Ponath, P: PCSI-TuM-7, **9**
Posadas, A: PCSI-TuM-7, **9**
— **R** —
Raiford, J: PCSI-SuA-18, **2**
Renteria, E: PCSI-TuM-43, **9**
Rice, Q: PCSI-WeA-41, **14**; PCSI-WeA-42, **14**
Ringel, S: PCSI-WeA-31, **13**
Rivera, P: PCSI-WeM-10, **11**
Robert, C: PCSI-MoE-7, **8**
Robinson, A: PCSI-MoE-17, **8**
Robinson, J: PCSI-SuE-10, **3**
Rodríguez, G: PCSI-MoM-31, **4**
Roh, C: PCSI-WeM-48, **12**
Rolf-Pissarczyk, S: PCSI-MoA-1, **6**
Ross, F: PCSI-MoE-10, **8**
Rossetto, I: PCSI-WeM-31, **11**
Roy, M: PCSI-WeA-7, **13**
Ruzzarin, M: PCSI-WeM-31, **11**
— **S** —
Sakr, M: PCSI-MoA-38, **7**
Sakurakawa, Y: PCSI-WeA-44, **14**
Samarth, N: PCSI-SuA-7, **2**
Samuelson, L: PCSI-MoE-16, **8**
Sasaki, K: PCSI-WeA-10, **13**
Scarpulla, M: PCSI-MoM-38, **4**
Schaeble, F: PCSI-ThM-1, **15**
Schaibley, J: PCSI-WeM-10, **11**
Schmidgall, E: PCSI-WeM-10, **11**
Scholder, O: PCSI-MoE-16, **8**
Schuller, J: PCSI-MoM-37, **4**
Schwarz, U: PCSI-MoE-18, **8**; PCSI-MoM-7, **4**; PCSI-TuM-16, **9**
Sellers, I: PCSI-WeM-38, **11**
Sengupta, S: PCSI-MoM-16, **4**
Seo, F: PCSI-WeA-41, **14**; PCSI-WeA-42, **14**
Serry, M: PCSI-MoA-38, **7**
Seyler, K: PCSI-WeM-10, **11**
Shahin, D: PCSI-WeA-17, **13**
Sharif, O: PCSI-MoA-39, **7**
Shen, Y: PCSI-WeA-39, **14**
Shin, D: PCSI-WeM-18, **11**
Shojaei, B: PCSI-MoM-37, **4**; PCSI-TuM-37, **9**
Simon, G: PCSI-TuM-16, **9**
Somaratne, R: PCSI-MoM-16, **4**
Song, C: PCSI-SuA-1, **2**
Soudachanh, A: PCSI-TuM-43, **9**
Speck, J: PCSI-WeA-31, **13**
Stier, A: PCSI-SuA-17, **2**; PCSI-WeM-16, **11**
Stoumpos, C: PCSI-SuA-17, **2**
Stutzmann, M: PCSI-ThM-1, **15**
Sun, D: PCSI-ThM-7, **15**
Sun, W: PCSI-WeM-39, **12**
Suvorova, A: PCSI-WeA-45, **14**
— **T** —
Tabibi, B: PCSI-WeA-41, **14**; PCSI-WeA-42, **14**
Tadger, M: PCSI-WeA-17, **13**
Tait, C: PCSI-MoM-31, **4**
Talin, A: PCSI-SuE-7, **3**
Talmadge, W: PCSI-ThM-7, **15**
Tang, H: PCSI-MoA-37, **6**
Tang, K: PCSI-WeA-39, **14**
Timm, R: PCSI-MoE-16, **8**
Tischler, J: PCSI-WeM-38, **11**
Togashi, R: PCSI-WeA-10, **13**
Tretiak, S: PCSI-SuA-16, **2**
Tsai, H: PCSI-SuA-17, **2**
Tsukada, C: PCSI-MoA-45, **7**
— **U** —
Uchida, Y: PCSI-MoA-7, **6**
Urbaszek, B: PCSI-MoE-7, **8**
Uruno, A: PCSI-WeA-44, **14**
Ushirozako, M: PCSI-MoA-41, **7**
— **V** —
van der Zande, A: PCSI-MoE-1, **8**
Vardeny, Z: PCSI-ThM-7, **15**
Vignale, G: PCSI-MoA-10, **6**
Von Wenkstern, H: PCSI-WeA-18, **13**
— **W** —
Wager, J: PCSI-WeM-37, **11**
Walker, F: PCSI-TuM-16, **9**
Wang, G: PCSI-MoE-7, **8**
Wang, K: PCSI-WeA-7, **13**
Wang, L: PCSI-WeA-39, **14**
Wang, P: PCSI-WeA-7, **13**
Wang, Q: PCSI-SuA-7, **2**
Wang, R: PCSI-ThM-7, **15**
Wang, S: PCSI-WeA-7, **13**
Waskiewicz, R: PCSI-MoA-8, **6**
Webster, P: PCSI-WeA-1, **13**
Wheeler, V: PCSI-WeA-17, **13**
Whitten, J: PCSI-MoM-16, **4**
Wilson, N: PCSI-TuM-40, **9**; PCSI-WeM-16, **11**
Windl, W: PCSI-WeM-17, **11**
Wohlgenannt, M: PCSI-MoA-31, **6**
Wong, M: PCSI-WeA-10, **13**
— **X** —
Xiao, D: PCSI-WeM-10, **11**
Xu, X: PCSI-WeM-10, **11**; PCSI-WeM-16, **11**
— **Y** —
Yagi, S: PCSI-MoA-44, **7**; PCSI-MoA-45, **7**
Yamakoshi, S: PCSI-WeA-10, **13**
Yamamoto, M: PCSI-MoA-44, **7**; PCSI-MoA-45, **7**
Yan, J: PCSI-WeM-10, **11**
Yanchenko, E: PCSI-WeM-17, **11**
Yang, K: PCSI-MoA-1, **6**
Yang, L: PCSI-MoE-7, **8**
Yao, W: PCSI-WeM-10, **11**
Yazdani, A: PCSI-TuE-13, **10**
Yeats, A: PCSI-SuA-7, **2**
Yngman, S: PCSI-MoE-16, **8**
Yoshida, T: PCSI-MoA-44, **7**; PCSI-MoA-45, **7**
Yoshimura, G: PCSI-TuM-38, **9**
Yu, H: PCSI-MoA-37, **6**; PCSI-WeM-10, **11**
Yu, Z: PCSI-ThM-7, **15**
Yun, B: PCSI-WeM-46, **12**
— **Z** —
Zamiri, M: PCSI-TuM-44, **9**
Zanoni, E: PCSI-WeM-31, **11**
Zhang, C: PCSI-ThM-7, **15**
Zhang, L: PCSI-WeA-7, **13**
Zhang, S: PCSI-MoA-10, **6**
Zhang, X: PCSI-MoA-37, **6**
Zhang, Z: PCSI-WeA-31, **13**
Zhizhimontov, V: PCSI-MoE-17, **8**
Zhong, D: PCSI-WeM-10, **11**
Zhou, C: PCSI-TuM-16, **9**; PCSI-WeA-40, **14**
Zhu, N: PCSI-MoA-37, **6**
Zhu, X: PCSI-TuM-16, **9**
Zou, K: PCSI-TuM-16, **9**