

EMA 2019 Confirmed Invited Speakers

S1: Characterization of Structure-Property Relationships in Functional Ceramics

Dominique Bernard, ICMCB-CNRS, France
Marco Deluca, Materials Center Leoben, Austria
David Keen, Rutherford Appleton Laboratory, UK
Jurij Koruza, Technische Universität Darmstadt, Germany
Michael Manley, Oak Ridge National Laboratory, USA
Lane Martin, University of California, Berkeley, USA
Xiaoli Tan, Iowa State University, USA

S2: Advanced Electronic Materials: Processing Structures, Properties, and Applications

Dragan Damjanovic, EPFL, Switzerland
Brahim Dkhil, Centrale Supélec, France
Ichiro Fujii, University of Yamanashi, Japan
Koichi Hayashi, Nagoya Institute Technology, Japan
Jacob Jones, NC State University, USA
Soonil Lee, Changwon University, Korea
Baowen Li, Wuhan University Technology, China
Jing-Feng Li, Tsinghua University, China
Vojislav Mitic, Serbian Academy of Sciences, Serbia
Zuo-Guang Ye, Simon Fraser University, Canada
Kui Yao, Institute of Materials Research and Engineering, Singapore
Jinxing Zhang, Beijing Normal University, China

S3: Frontiers in Ferroic Oxides: Synthesis, Structure, Properties, and Applications

Marco Campanini, EMPA, Switzerland
Jia-Mian Hu, University of Wisconsin-Madison, USA
Bhagwati Prasad, University of California, Berkeley, USA
Jan Seidel, University of New South Wales, Australia
Srinivasa Rao Singamaneni, University of Texas, El Paso, USA
Mads Weber, ETH Zurich, Switzerland

S4: Complex Oxide Thin Film Materials Discovery: From Synthesis to Strain/Interface Engineered Emergent Properties

John Ekerdt, University of Texas, Austin, USA
Roman Engel-Herbert, Pennsylvania State University, USA
John Freeland, Argonne National Laboratory, USA
Arthur Hebard, University of Florida, USA
Megan Holtz, Cornell University, USA
Divine Kumah, North Carolina State University, USA
Ho Nyung Lee, Oak Ridge National Laboratory, USA
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Peter Petrov, Imperial College London, UK
Guus Rijnders, University of Twente, Netherlands
Uwe Schroeder, NamLab GmbH, Germany
Aloysius Soon, Yonsei University, South Korea

S5: Mesoscale Phenomena in Ferroic Nanostructures: Beyond the Thin-Film Paradigm

Aiping Chen, Los Alamos National Laboratory, USA
Marty Gregg, Queens University Belfast, UK
Jiri Hlinka, Czech Academy of Sciences, Czech Republic
Ho Nyung Lee, Oak Ridge National Laboratory, USA
Patrycja Paruch, University of Geneva, Switzerland
Margo Staruch, Naval Research Laboratory, USA

S6: Complex Oxide and Chalcogenide Semiconductors: Research and Applications

Cyrus Dreyer, Stony Brook University, USA
Vincent Garcia, CRNS-Thales, France
Bharat Jalan, University of Minnesota, USA
Robert Klie, University of Illinois at Chicago, USA
James LeBeau, Massachusetts Institute of Technology, USA
Matthew McCluskey, Washington State University, USA
Katrina Morgan, University of Southampton, UK
Seongshik Oh, Rutgers University, USA
Jayakanth Ravichandran, University of Southern California, USA
Paul Rogge, Drexel University, USA

S7: Superconducting and Magnetic Materials: From Basic Science to Applications

Thomas Bullard, Air Force Research Laboratory, USA
Riccardo Comin, Massachusetts Institute of Technology, USA
Xiaoli Dong, Institute of Physics, CAS, China
Timothy Haugan, Air Force Research Laboratory, USA
Ian Fisher, Stanford University, USA
Jennifer Hoffman, Harvard University, USA
Jijie Huang, Purdue University, USA
Jinfeng Jia, Shanghai Jiao Tong University, China
Peng Jiang, Chinese Academy of Sciences, China
Richard Klemm, University of Central Florida, USA
Katjana Lange, University of Cambridge, UK
Kai Liu, Georgetown University, USA
Xucun Ma, Tsinghua University, China
Sheng Ran, University of Maryland, USA
Keith Taddei, Oak Ridge National Laboratory, USA
Zafer Turgut, Air Force Research Laboratory, USA

Wenhong Wang, Institute of Physics, CAS, China
Judy Wu, University of Kansas, USA
Yanwu Xie, Stanford University, USA
Xiaodong Xu, University of Washington, USA
Ding Zhang, Tsinghua University, China
Fan Zhang, University of Texas at Dallas, USA
Xingjiang Zhou, Chinese Academy of Sciences, China

S8: Structure-property Relationships in Relaxor Ceramics

Danila Amoroso, University of Liege, Belgium
Elena Buixaderas, Czech Academy of Sciences, Czech Republic
Michelle Dolgos, Oregon State University, USA
Igor Levin, NIST, USA
Finlay Morrison, University of St. Andrews, UK
Andrew M. Rappe, University of Pennsylvania, USA
Tadej Rojac, Institute Jozef Stefan, Slovenia
Dwight Viehland, Virginia Tech, USA
Dawei Wang, University of Sheffield, UK
Thomas R. Welberry, Australian National University, Australia

S9: Ion Conducting Ceramics

Yan-Yan Hu, Florida State University, USA
Cheng Ge, Institute of Physics, CAS, China
Judith MacManus-Driscoll, University of Cambridge, UK
Yue Qi, Michigan State University, USA
Shriram Ramanathan, Purdue University, USA
Eric Stach, University of Pennsylvania, USA
Maria Sushko, Pacific Northwest National Laboratory, USA
Hua Zhou, Argonne National Laboratory, USA

S10: Current Challenges in Microstructural Evolution: From Basic Science to Electronic Applications

David Diercks, Colorado School of Mines, USA
Yanhao Dong, Massachusetts Institute of Technology, USA
Hui Gu, Shanghai University, China
Yuichi Ikuhara, University of Tokyo, Japan
Mehmet Gulgun, Sabanci Universiti, Turkey
Amanda Krause, Lehigh University, USA
Jiangyu Li, University of Washington, USA
Paul Meredith, Swansea University, UK
Hadas Sternlicht, Brown University, USA

S11: Electronic Materials Applications in 5G Telecommunications

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Jasper Drisko, National Institute of Standards and Technology, USA
Songbin Gong, University of Illinois, USA
Matthew Hardy, U.S. Naval Research Laboratory, USA
Michael Hill, Skyworks, Inc. USA
Guru Khalsa, Cornell University, USA
Nathan Newman, Arizona State University, USA
Christopher Nordquist, Sandia National Laboratories, USA

S12: Thermal Transport in Functional Materials and Devices

Lucas Lindsay, Oak Ridge National Laboratory, USA
Jonathan Malen, Carnegie Mellon University, USA

S13: From Basic Science to Agile Design of Functional Materials: Aligned Computational and Experimental Approaches and Materials Informatics

Rohit Batra, Georgia Tech, USA
Letian Dou, Purdue University, USA
Richard Hennig, University of Florida, USA
Sergey Levchenko, Skolkovo Institute of Science & Technology, Russian Federation
Yuanyue Liu, University of Texas at Austin, USA
Dane Morgan, University of Wisconsin-Madison, USA
Andrew Rappe, University of Pennsylvania, USA
Qiang Zhang, Louisiana State University, USA