

EMA 2019 Confirmed Invited Speakers

S1: Characterization of Structure-Property Relationships in Functional Ceramics

Dominique Bernard, France
Marco Deluca, Materials Center Leoben, Austria
David Keen, United Kingdom
Jurij Koruza, Technische Universität Darmstadt, Germany
Michael Manley, Oak Ridge National Laboratory, USA
Lane Martin, University of California, Berkeley, USA

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

Dragan Damjanovic, EPFL, Switzerland
Brahim Dkhil, Centrale Supélec, France
Koichi Hayashi, Nagoya Institute Technology, Japan
Jacob Jones, NC State University, USA
Soonil Lee, Changwon University, Korea
Baowen Li, Wuhan University Technology, China
Kui Yao, Institute of Materials Research and Engineering, Singapore
Ichiro Fujii, University of Yamanashi, Japan

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

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
John Freeland, Argonne National Laboratory, USA
Er-Jia Guo, Oak Ridge National Laboratory, USA
Arthur Hebard, University of Florida, USA
Megan Holtz, Cornell University, USA
Ho Nyung Lee, Oak Ridge National Laboratory, USA
Qian Li, Argonne National Laboratory, USA
Peter Petrov, Imperial College London, UK
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
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
Ian Fisher, Stanford University, USA
Jennifer Hoffman, Harvard University, USA
Peng Jiang, Chinese Academy of Sciences, China
Richard Klemm, University of Central Florida, USA
Kai Liu, Georgetown University, USA
Sheng Ran, University of Maryland, USA
Keith Taddei, Oak Ridge National Laboratory, USA
Zafer Turgut, Air Force Research Laboratory, USA
Judy Wu, University of Kansas, USA
Yanwu Xie, Stanford University, USA
Xiaodong Xu, University of Washington, USA
Ding Zhang, Tsinghua University, China
Xingjiang Zhou, Chinese Academy of Sciences, China

S8: Structure-property Relationships in Relaxor Ceramics

Tadej Rojac (Institute Jozef Stefan, Slovenia)
Danila Amoroso (University of Liege, Belgium)
Andrew M. Rappe (University of Pennsylvania, USA)
Thomas R. Welberry (Australian National University, Australia)
Michelle Dolgos (Oregon State University, USA)
Dawei Wang (University of Sheffield, UK)
Igor Levin (NIST, USA)

Dwight Viehland (Virginia Tech, USA)
Finlay Morrison (University of St. Andrews, UK)
Elena Buixaderas, Czech Academy of Sciences, Czech Republic

S9: Ion Conducting Ceramics

Yan-Yan Hu, Florida State University, USA
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

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

David Diercks, Colorado School of Mines, USA
Hui Gu, Shanghai University, China
Mehmet Gulgun, Sabanci Universiti, Turkey
Amanda Krause, Lehigh University, USA
Hadas Sternlicht, Brown University, USA

S11: Electronic Materials Applications in 5G Telecommunications

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

TBA

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

Letian Dou, Purdue University, USA
Richard Hennig, University of Florida, USA
Dane Morgan, University of Wisconsin-Madison, USA
Andrew Rappe, University of Pennsylvania, USA
Kesong Yang, University of California-San Diego, USA