



Materials, five R&D 100 awards, and three Federal Laboratory Consortium technology transfer awards. He is an adjunct professor of physics at Colorado University—Boulder, and a research professor of materials science at the Colorado School of Mines.

For MRS, Ginley has served as secretary, treasurer, and chair of the Board of Directors' Operational Oversight Committee. He was a Meeting Chair for the 2005 MRS Fall Meeting and has organized numerous symposia. He is a Principle Editor for the *Journal of Materials Research*. He

also served on the *MRS Bulletin* Energy Project Organizing Committee for the magazine's special issue on "Harnessing Materials for Energy" (April 2008). Ginley served as MRS vice president/president-elect in 2009 and president in 2010.

Abernathy, Braun, Kawasaki, and Wahl to chair 2011 MRS Fall Meeting

The 2011 Materials Research Society Fall Meeting in Boston, November 30–December 2, will be chaired by Cammy R. Abernathy (University of Florida), Paul V. Braun (University of Illinois-Urbana), Masashi Kawasaki (University of Tokyo), and Kathryn J. Wahl (Naval Research Laboratory). Updated information on the meeting is available at www.mrs.org/meetings.

Cammy R. Abernathy is currently dean of the College of Engineering at the University of Florida. Her research interests are in synthesis of thin-film electronic materials and devices using metal organic chemical vapor deposition and molecular beam epitaxy. She obtained her SB degree in materials science and engineering from the Massachusetts Institute of Technology in 1980, and her MS and PhD degrees in materials science and engineering from Stanford University in 1982 and 1985, respectively. She joined the University of Florida's Department of Materials Science and Engineering as a professor in 1993. In 2004 she became the College's Associate Dean for Academic Affairs and in July 2009 was appointed to her current position as dean. Abernathy is the author of over 500 journal publications, over 430 conference papers, one co-authored book, seven edited books, eight book chapters, and seven patents. She is a fellow of the America



electronic materials and devices using metal organic chemical vapor deposition and molecular beam epitaxy. She obtained her SB degree in materials science and engineering from the Massachusetts Institute of Technology in 1980, and her MS and PhD degrees in materials science and engineering from Stanford University in 1982 and 1985, respectively. She joined the University of Florida's Department of Materials Science and Engineering as a professor in 1993. In 2004 she became the College's Associate Dean for Academic Affairs and in July 2009 was appointed to her current position as dean.

Vacuum Society, the American Physics Society, and the Electrochemical Society. She is also a member of the American Society of Engineering Education and the Materials Research Society.

Paul V. Braun is a professor of materials science and engineering, and an affiliate of the Frederick Seitz Materials Research Laboratory, the Beckman



Institute for Advanced Science and Technology, and the Department of Chemistry at the University of Illinois at Urbana-Champaign. His research focuses on the synthesis and properties of three-dimensional architectures with a focus on materials with unique optical, electrochemical, thermal, and mechanical properties. Braun received his BS degree from Cornell University in 1993, and his PhD degree in materials science and engineering from Illinois in 1998. Following a postdoctoral appointment at Bell Labs, Lucent Technologies, he joined the faculty at Illinois as an assistant professor in 1999. Braun has co-authored a book, authored over 100 peer-reviewed publications, has been awarded multiple patents, and co-founded a company focusing on self-healing materials. He is the recipient of a Beckman Young Investigator Award (2001); a 3M Nontenured Faculty Award; the 2002 Robert Lansing Hardy Award from the Minerals, Metals, & Materials Society; the Xerox Award for Faculty

Research (2004, 2009); the Friedrich Wilhelm Bessel Research Award of the Alexander von Humboldt Foundation (2010); and multiple teaching awards. In 2006, he was named a University Scholar by the University of Illinois.

Masashi Kawasaki has been a professor in the Quantum-Phase Electronics Center and Department of Applied Physics



ics at the University of Tokyo since 2011. He had been co-assigned as Advisor at Joint Research Center for Atom Technology, AIST; Team Leader at Combinatorial Exploration and Technology, NIMS; and Team Leader at Correlated Electron Research Center, AIST; and has been co-assigned as Team Leader at Cross-Correlated Materials Research Group, RIKEN. Kawasaki is

interested in oxide thin films and interfaces from the view points of photonic, electronic, and magnetic functionalities. He has demonstrated the first $p-n$ junction ZnO light-emitting diode, the first quantum Hall effect in oxide, and the first electric field-induced superconductivity. Kawasaki received his PhD degree in applied chemistry from the University of Tokyo in 1989. After two years as a postdoctoral fellow at IBM Research, Yorktown Heights, he became a research associate and later an associate professor at Tokyo Institute of Technology. In 2001, he joined Institute for Materials Research at Tohoku University as a professor and moved to the WPI Advanced Institute for Materials Research in 2007. He has published 500 refereed papers and gave 150



plenary/invited talks. His total number of citations exceeds 17,000 and h-index is 63 as of Nov. 2010.

Kathryn J. Wahl heads the Molecular



Interfaces and Tribology Section at the Naval Research Laboratory. Her research has focused on fundamental physics and chemistry of sliding and

adhesive interfaces, both at macroscopic and nanometer scales. Currently, her research efforts include the development of *in situ* chemical and mechanical methods to probe bioadhesive contacts created by marine biofoulants like barnacles. Wahl received a BA degree in physics and mathematics from St. Olaf College in 1987, and a PhD degree in materials science and engineering from Northwestern University in 1992. Since then, she has been at the Naval Research Laboratory,

first as a postdoctoral researcher and then as a research staff member in the Chemistry Division since 1995. She was a guest editor of the December 2008 issue of the *MRS Bulletin* on "In Situ Tribology." She serves on the editorial boards of the journals *Wear*, *Tribology Letters*, and *Journal of Physics D*, received a Navy Meritorius Civilian Service Medal in 2008, and is a Fellow of the American Vacuum Society (AVS) and Society of Tribologists and Lubrication Engineers.

MRS Bulletin volume organizers guide technical theme topics for 2012

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The *MRS Bulletin* 2012 volume organizers, who will guide the development of theme topics for the 2012 volume year, are Lei Jiang (Chinese Academy of Sciences), Sergei V. Kalinin (Oak Ridge National Laboratory), Stéphanie P. Lacour (Ecole Polytechnique Fédérale de Lausanne), and Steven C. Moss (Aerospace Corporation).

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Requests for instructions on submitting proposals for *MRS Bulletin* theme topics can be e-mailed to bulletin@mrs.org.

Lei Jiang is currently a professor at the Institute of Chemistry, Chinese Academy of Sciences (ICCAS), and dean



of the School of Chemistry and Environment, Beijing University of Aeronautics and Astronautics. His scientific interest is focused on

bio-inspired surface and interfacial materials. Jiang received his BSc (1987), MSc (1990), and PhD (1994) degrees from Jilin University of China. He then worked as a postdoctoral fellow in

Tokyo University. In 1996, he worked as a senior researcher in Kanagawa Academy of Sciences and Technology. He joined ICCAS as part of the Hundred Talents Program in 1999. In 2009, he was elected academician of the Chinese Academy of Sciences.

Jiang has published one book, three book chapters, and more than 300 SCI journal articles. His entire publications have been cited for over 7600 times. The h-index of his citations is 42. He is the Asian Editor of *Solid State Sciences*, and a member of the Editorial Board of *Advanced Functional Materials*, *Langmuir*, *Small*, *Biomicrofluidics*, and *Nano Research*. Jiang is a visiting professor at Drexel University (USA), and part-time professor of Peking University (China) and Jilin University (China). He has received the National Natural Science Award of China (2nd grade, 2005).



Sergei V. Kalinin is currently a senior research staff member at Oak Ridge National Laboratory and co-theme

leader for scanning probe microscopy at the Center for Nanophase Materials Sciences at ORNL (since 2007), following an Eugene P. Wigner fellow appointment at ORNL (2002–2004). He is also adjunct faculty at Pennsylvania State University and adjunct associate professor at the Department of Materials Sciences and Engineering at the University of Tennessee, Knoxville. His research is focused on the polarization and ionic and electronic transport and local bias-induced phase transitions in ferroelectrics, multiferroics, and energy storage and conversion materials, as well as molecular systems. The key element of his work is scanning probe microscopy (SPM) of electromechanical and transport phenomena, with specific emphasis of multidimensional and artificial-intelligence-assisted SPM methods. Kalinin received his PhD degree in materials science at the University of Pennsylvania in 2002. During his academic career, he has been the recipient of the Presidential Early Career Award for Scientists and Engineers (2009), Burton Medal of American Microscopy Society (2010), IEEE-TUFFC Young Investigator Award (2010), the Robert L. Coble (2009) and Ross Coffin Purdy (2003) Awards of American Ceramics Society, AVS Peter Mark Memorial Award (2008), and two R&D100 awards (2010 and 2008), as well as Wigner Fellowship of Oak Ridge National Laboratory. He is the author of more than 180 scientific papers and 14 patents and patent disclosures on different aspects of SPM and ferroelectric