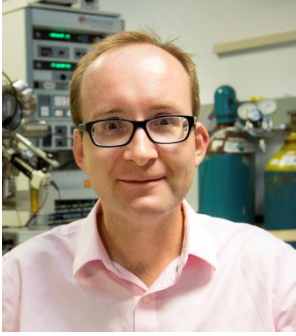


## Executive Biography



### **Sergei V. Kalinin**

Director, Institute for Functional Imaging of Materials  
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Sergei V. Kalinin is the director of the ORNL Institute for Functional Imaging of Materials and distinguished research staff member at the Center for Nanophase Materials Sciences (CNMS) at Oak Ridge National Laboratory (at ORNL since 2002). He also holds a Joint Associate Professor position at the Department of Materials Science and Engineering at the University of Tennessee-Knoxville, and an Adjunct Faculty position at Pennsylvania State University. His research interests include application of big data, deep data, and smart data approaches in atomically resolved and mesoscopic imaging to guide the development of advanced materials for energy and information technologies, advanced scanning probe microscopy methods, as well as coupling between electromechanical, electrical, and transport phenomena on the nanoscale.

He received his Ph.D. from the University of Pennsylvania in 2002, followed by a Wigner fellowship at ORNL (2002-2004). He is a recipient of the RMS medal for Scanning Probe Microscopy (2015); Presidential Early Career Award for Scientists and Engineers (PECASE) (2009); IEEE-UFFC Ferroelectrics Young Investigator Award (2010); Burton medal of Microscopy Society of America (2010); ISIF Young Investigator Award (2009); American Vacuum Society Peter Mark Memorial Award (2008); R&D100 Awards (2008 and 2010); Ross Coffin Award (2003); Robert L. Coble Award of American Ceramics Society (2009); and a number of other distinctions. He is a fellow of APS and AVS. He has published ~500 peer-reviewed journal papers, edited 3 books, and holds more than 16 patents. He has organized numerous symposia (including symposia on Scanning Probe Microscopy on Materials Research Society Fall meeting in 2004, 2007, and 2009) and workshops (including International workshop series on PFM and Nanoferroelectrics), and acted as consultant for companies such as Intel and several Scanning Probe Microscopy manufacturers. He is also a member of editorial boards for several international journals, including *Nanotechnology*, *Journal of Applied Physics/Applied Physics Letters*, and recently established Nature Partner Journal *Computational Materials*.

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