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He was a Croucher Postdoctoral Fellow at the Wyss Institute for Biologically Inspired Engineering at Harvard University (2010 to 2012). His research group is interested in utilizing biologically inspired strategies to design functional interfacial materials for various energy-, biomedical-, and industrial-related applications. Wong is a recipient of the 2012 R&D 100 Award for the invention of slippery liquid-infused porous surfaces (SLIPS).

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Fellow. One year later (2006), he was awarded the Sofja Kovalevskaja Award by the Alexander von Humboldt Foundation in recognition of his scientific contribution to functional biointerface materials, supporting him to build the “Bio- & Nano-Interface” research group, working as the group leader until 2011.

**Lin Feng**

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Alizadeh joined GE Global Research in 2000, where she works as a senior material scientist. She received her PhD degree in physics from the Universidad Autonoma de Madrid, Spain. Afterward, she was a postdoctoral researcher at Virginia Polytechnic Institute and State University (Blacksburg, VA). She has experience in developing novel materials for applications, including optoelectronic devices, storage media, and anti-icing surfaces. She is co-principal investigator

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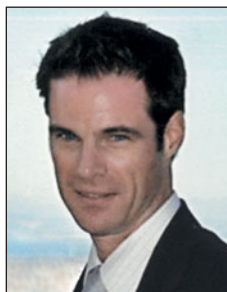
microfluidics, and hemodynamics. He is a member of APS and ASME.

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Demirel is a tenured full professor in engineering at The Pennsylvania State University with a decade of experience in directional nanomaterials. He received a PhD degree from Carnegie Mellon University and MSc and BSc degrees from Bogazici University in Turkey. His achievements have been recognized, in part, through his receipt of a Young Investigator Award-ONR, an Alexander von Humboldt fellowship, an Institute for Complex Adaptive Matter junior fellowship, and the

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**Matthew J. Hancock**

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Hancock is a visiting scientist at the Broad Institute. He received bachelor's and master's degrees in applied mathematics from the University of Waterloo, Canada, and a PhD degree in environmental fluid mechanics from the Massachusetts Institute of Technology (MIT). Before joining the Broad Institute, Hancock was a research fellow in Demirel's laboratory and at Harvard Medical School, and also an instructor in mathematics at MIT. His research applies

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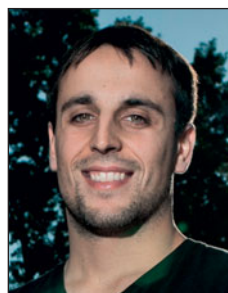
Kulkarni has been a mechanical engineer at GE Global Research Center since receiving his doctoral degree in mechanical engineering from Georgia Institute of Technology in 2007. His current research work involves understanding nanoscale phenomena, including liquid-surface interactions. He has been active in the development of concepts of superhydrophobicity/superhydrophilicity/oleophobicity and applying advanced nanoscale physics concepts to energy

and aviation related applications. Kulkarni has also been actively involved in projects with the Defense Advanced Research Projects Agency and the National Institute of Standards and Technology, including work on thermal ground plane and nanoengineered, superhydrophobic surfaces for steam turbines and condensers projects, respectively.

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Ruud is a principal scientist in ceramics and metallurgy technologies at GE Global Research. He received his PhD degree in applied physics from Harvard University in 1992 and his BS degree in physics and mathematics from The Pennsylvania State University in 1986. At GE, Ruud has been developing high-temperature, functional ceramics used in industrial applications. His recent work is on nanoscale process-

ing and manufacturing methods for novel, high-performance ceramic materials for sensors, membranes, and coatings used in the fields of energy production, energy efficiency, and transportation.



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Wang is an associate professor in the Mechanical Engineering Department at the Massachusetts Institute of Technology (MIT). She received her BS degree from MIT in 2000 and MS and PhD degrees from Stanford University in 2001, and 2006, respectively. From 2006 to 2007, she was a postdoctoral researcher at Bell Laboratories, Alcatel-Lucent. Wang's research interests include fundamental studies of micro/nanoscale

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Yamada is a senior scientist in the Advanced Computing Lab at GE Global Research. She received her PhD degree from Boston University, where she was a National Science Foundation graduate research trainee in computational science. Under the supervision of H. Eugene Stanley, Yamada focused on probing the properties of supercooled water. She joined GE Global Research in 2002 and has supported

various GE businesses from plastics to health care. She recently won a Department of Energy award to model non-icing surfaces on Titan, the fastest computer in the world. Yamada also is a professional technical translator.

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