



Sigurd Wagner

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Wagner has been at Princeton University since 1980. He received his PhD degree from the University of Vienna in 1968. Afterward, he was a postdoctoral fellow at Ohio State University; worked at Bell Laboratories, where he co-invented the CuInSe_2 (CIS),

CuInS_2 , and $\text{Cu}_2\text{CdSnS}_4$ solar cells, among others; and was the founding chief of the Photovoltaics Research Branch at the National Renewable Energy Laboratory. Wagner has introduced new electronic materials for flexible, conformably shaped, and stretchable large-area displays, electro-textiles, and electronic skin. He is also studying functional cells for large-area electronics, including displays, multifunctional materials, and sensor arrays, and the interdependence of electrical and mechanical properties in film-on-foil electronics. At present, he focuses on thin-film silicon devices on plastic, elastically stretchable metal conductors, and flexible environmental barrier layers. Wagner is a fellow of the American Physical Society and IEEE.



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Bauer has been at Johannes Kepler University since 1997. He received his PhD degree from the University of Karlsruhe in 1990, and subsequently worked at the Heinrich Hertz Institute for Communications Engineering in Berlin and at the University of Potsdam. His research employs soft materials in flexible and stretch-

able electronics. Bauer also studies the electroactive properties of elastomers and polymers and their applications in actuators and energy harvesting. Currently, his work is focused on ultrathin, -flexible, and -compliant electronic devices and on harnessing instabilities to achieve giant voltage triggered actuation. He has recently been awarded a European Research Council Advanced Investigators Grant.



Frederick Bossuyt

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Bossuyt has been with the Center for Microsystems Technology, which is part of Ghent University and the Interuniversity Microelectronics Centre, Leuven, Belgium, since 2006. He received his BS degree in electrical engineering and his PhD degree in electrical engineering from Ghent University in 2006 and 2011, respectively. His research interests include stretchable electronics technologies.



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De Wolf heads the group REMO at the Interuniversity Microelectronics Centre, Leuven, Belgium, where research is focused on reliability and modeling of microelectronics devices and packages. She received her PhD degree in sciences and physics from the Katholieke Universiteit Leuven. In September 1989, she joined the reliability group of the Interuniversity Microelectronics Centre in Belgium. De Wolf has authored or co-

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Joseph Eckerle

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Eckerle is a senior research engineer at SRI International. He received an SM degree from the Massachusetts Institute of Technology and has worked for more than three decades in electromechanical research and development. His interests center around transducers. He has developed touch sensors for robots; capacitive encoders; and blood pressure, pulse rate, and other medical instruments. He was one of the earliest researchers in

electroactive polymer sensors and actuators at SRI. Eckerle also has been awarded more than two dozen patents involving electronic circuits, sensors, and actuators.



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Gonzalez is a research scientist at the Interuniversity Microelectronics Centre, Leuven, Belgium. He received his MSc degree in materials science from the University of Nuevo Leon, Mexico, in 1996, and his PhD degree in mechanical and materials engineering from the Ecole Centrale Paris, France, in 2001. He is the author or co-author of more than 90 papers in areas including numerical FE simulation, mechanical and thermomechanical reliability

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Hsu has been with MC10 Inc., a startup company based in Boston, MA, since September 2011. He received his PhD degree from the Katholieke Universiteit Leuven, Belgium, in 2011. From 2001 to 2006, Hsu was with the Industrial Technology Research Institute (ITRI), Taiwan, as a research engineer. From 2008 to 2011, he was with the Interuniversity Microelectronics Centre, Belgium, as a researcher working on stretchable/flexible electronics. He has published more than 30 peer-reviewed

papers and has four U.S. patents and nine patents granted in Taiwan and China.



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Huang is the Joseph Cummings Professor jointly in the Department of Mechanical Engineering and the Department of Civil and Environmental Engineering at Northwestern University. He obtained his BS degree in mechanics from Peking University, China, in 1984, and his SM and PhD degrees in engineering science from Harvard University in 1987 and in 1990, respectively. Huang's research

includes mechanics modeling of advanced materials, devices, and processes. He has published more than 300 papers in journals and 25 book chapters. He also has been recognized with many awards, including the Larson Award (2003), Melville Medal (2004) and Richards Award (2010) from the American Society of Mechanical Engineers, Young Investigator Medal (2006) from the Society of Engineering Science, International Journal of Plasticity Medal (2007), Guggenheim Fellowship (2008) from the John Simon Guggenheim Foundation, and Honorary Professorship (2009) from Nanjing University of Posts and Telecommunications.



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Jablonski is currently working toward his PhD degree at the Centre for Microsystems Technology, Ghent University, Belgium. He received his BS and MS degrees in electrical engineering from the AGH University of Science and Technology, Cracow, Poland, between 2008 and 2010. His research aims at the realization of large-area, conformable lighting

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Kim is a research engineer at SRI International, a non profit research organization. She has a BS degree in engineering from Harvey Mudd College and has been working for the robotics group at SRI for three years. During this time, she has been involved with developing hardware for robotic, consumer product, and military training applications. Some of Kim's recent work involves characterization and design development

of electrostatic clutches for a low-cost robotic manipulator.



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Kornbluh is a principal research engineer in SRI International's Robotics Laboratory, where he has worked for most of the past 25 years. He received his BS degree from Cornell University and his SM degree from the Massachusetts Institute of Technology, both in mechanical engineering. His research interests include the development of new electromechanical systems, smart materials, and energy harvesting.

He is an inventor of the dielectric elastomer electroactive polymer technology. Kornbluh also has more than 50 publications and 30 patents in his areas of interest.



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Low is the associate director of the Robotics Program at SRI International, where he is responsible for SRI's telerobotics activities. He joined SRI in 1984 after earning his BS degree in mechanical engineering from the University of California at Berkeley. He later received an MSME degree from Stanford University. Aside from his management responsibilities, Low performs systems dynamics analysis.



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McCoy is a research engineer in the Robotics Laboratory at SRI International. He holds an MS degree in materials science and engineering from San Jose State University. His current research interests are high voltage dielectric phenomena and electrostatic engineering applications such as electroadhesion. He was previously employed at Hitachi and IBM Almaden Research, where he conducted thin-film materials characterization.



Ron Pelrine

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Pelrine, a chief scientist in SRI International's Robotics Laboratory, is a principal inventor of dielectric elastomer transducers and has been active in the field since 1992. Pelrine has a BS degree in physics from the Massachusetts Institute of Technology, an MS degree in physics from the University of Washington at Seattle, and a PhD degree in mechanical engineering from the University of Texas at Austin.

Along with other researchers at SRI, Pelrine laid the foundations of dielectric elastomer transduction, and was the first to discover both silicone and acrylic as dielectric elastomer materials.



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Prahlad is a senior research engineer in SRI International's Robotics Program. He received his MS and PhD degrees in aerospace engineering from the University of Maryland, College Park. He has 15 years of experience working with smart materials, including 10 years of experience with electroactive component technologies. He is a principal inventor of an electrostatics-based technology called electroadhesion. Prahlad

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Suo is the Allen E. and Marilyn M. Puckett Professor of Mechanics and Materials at Harvard University. He earned his BS degree from Xi'an Jiaotong University in 1985 and his PhD degree from Harvard University in 1989. He was a professor at the University of California at Santa Barbara and at Princeton University. Suo works on deformation, fracture, and mass transport in solids. He co-founded iMechanica, the web of mechanics

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research on low-field magnetic resonance imaging and nuclear magnetic resonance spectroscopy with superconducting quantum interference detectors.

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