

The Körber European Science Prize

Search Committee Physical Sciences

Prof. Dr. Martin Wegener

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Photo: private

After completing his PhD in physics in 1987 at Johann Wolfgang Goethe-Universität Frankfurt (Germany), Martin Wegener spent two years as a postdoc at AT&T Bell Laboratories in Holmdel (USA). From 1990-1995 he was Professor at Universität Dortmund, since 1995 he is Professor at Universität Karlsruhe. Since 2001, he has a joint appointment at Institut für Nanotechnologie of the Forschungszentrum Karlsruhe GmbH. The »Nanophotonics« research group of Martin Wegener is one of the leading groups in the field and has delivered several breakthrough-contributions in the areas of three-dimensional photonic crystals and negative-index metamaterials. Since 2001, he is also coordinator of the DFG-Center for Functional Nanostructures (CFN) at the Karlsruhe Institute of Technology (KIT).

His research interests comprise ultrafast optics, (extreme) nonlinear optics, near-field optics, photonic crystals, photonic metamaterials, and transformation optics. This research has led to various awards and honors, among which are the Alfried Krupp von Bohlen und Halbach Research Award 1993, the Baden-Württemberg Teaching Award 1998, the DFG Gottfried Wilhelm Leibniz Award 2000, the European Union René Descartes Prize 2005, the Baden-Württemberg Research Award 2005, and the Carl Zeiss Research Award 2006, Hector Science Award 2009 and Erwin Schrödinger Prize 2016. He is a member of Leopoldina, the German Academy of Sciences (since 2006), Fellow of the Optical Society of America (since 2008), Fellow of the Hector Foundation (since 2008), and Adjunct Professor at the Optical Sciences Center, Tucson, USA (since 2009) and member of the Hector Fellow Academy (since 2013).