

Maarit Karppinen

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Maarit Karppinen (PhD in 1993 from Helsinki University of Technology) is currently Professor of Inorganic Materials Chemistry at Department of Chemistry and Materials Science, Aalto University in Finland. Before establishing her research group at Aalto University in 2006, Karppinen was holding a regular professorship at Tokyo Institute of Technology, Japan. She has around 400 peer-reviewed scientific articles and additionally 8 patents and more than 500 conference abstracts. Her research is focused on the development of new materials for a variety of next-generation energy and related technologies. She was nominated as Academy Professor in Finland for 2009-2013; in 2013 she received her ERC Advanced Grant for atomic/molecular layer deposited (ALD/MLD) inorganic-organic hybrid thin-film materials, and in 2015 ERC Proof-of-Concept Grant for flexible thin-film thermoelectrics. The practical work in her group is truly interdisciplinary and comprises not only the design and synthesis of new materials, but also their characterization for a variety of functional properties.

