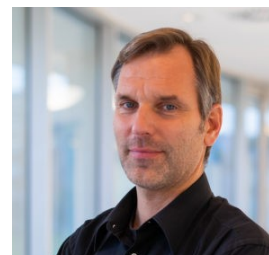


Short Biography: Sascha Sadewasser

Dr. Sascha Sadewasser is a Research Group Leader at the International Iberian Nanotechnology Laboratory (INL), Portugal, where he has also carried out several leadership roles at institutional level, such as co-Chair of the Research Board, member of the Executive Board, Department Head, Coordinator of Energy Research, etc. The INL is the youngest of the three intergovernmental organizations (IGOs) worldwide that carry out research and develop scientific understanding. The other two are CERN, headquartered in Geneva, Switzerland and EMBL, headquartered in Heidelberg, Germany. INL was established in 2005 by a joint decision of the Governments of Portugal and Spain and started operations in 2011.



Sascha's research group works on materials for sustainable energy, specifically for photovoltaics, batteries, and catalysis, covering advanced solar cell materials and devices implementing nano- and microstructures, thin-film solid-state batteries, and 2D chalcogenide materials. Notably, scanning probe microscopy methods are developed and applied for the characterization of the optoelectronic nanostructure of energy materials.

Sascha Sadewasser holds a Diploma (1995) in Physics from the RWTH Aachen, Germany and a PhD (1999) from the Washington University St. Louis, MO, USA. After post-docs in Berlin (Hahn-Meitner Institute) and Barcelona (Centro Nacional de Microelectrónica), he became group leader and later deputy department head at the Helmholtz-Zentrum Berlin, Germany. After his Habilitation in Experimental Physics from the Free University of Berlin, Germany (2011) he joined INL in 2011. Sascha has published more than 150 peer-reviewed papers (incl. Nature series, Advanced Materials series, and Phys. Rev. Lett.), with about 4500+ citations (h-index 38). He has published five book chapters and two books and has been granted three patents. He has participated in and coordinated several European and international projects and is a member of several scientific committees and evaluation boards.