

Research Interest:

The research of Thomas Lippert is focused on the interaction of photons with materials and the development of materials for laser applications, with a special focus on thin film deposition. The thin films are mainly oxide materials that are relevant for energy research. These and other fundamental material properties are often studied by the large facilities at PSI, while the deposition process is studied by various laboratory-based methods. Another topic is laser direct writing of functional materials, with a special focus on sensors.

Short CV

Thomas Lippert is since 2013 adjunct professor at the *Laboratory of Inorganic Chemistry* at ETH Zurich, where he got also his habilitation in 2002. He was/is since 2002 head of the *Materials* research group in the *Energy and Environment Division* at the Paul Scherrer Institut (since 07/2016 as *Thin Films and Interfaces* group in the *Research with Neutrons and Muons Division*). Thomas Lippert studied Chemistry at the University of Bayreuth, Germany, where he received his PhD in Physical Chemistry in 1993. He went then as a Postdoctoral Fellow to the National Institute of Materials and Chemical Research (NIMC) in Tsukuba, Japan. After Japan he moved in 1995 to Los Alamos National Laboratory, USA, where he also became a Technical Staff Member. In 1999 Thomas Lippert went as Senior Scientist to the Paul Scherrer Institut, Switzerland. Thomas Lippert has published > 320 papers, delivered > 130 invited talks, organized 10 international conferences, has been a reviewer for over 22 international funding agencies, and numerous journals. Thomas is since 2017 Editor-in-Chief of Applied Physics A, and has been an editor of Applied Surface Science (4 years), Materials (6 years), and the J. of Laser MicroNanoengineering (8 years.) Thomas is member of the E-MRS Senate, after being president from 2014-2015.