

Short Biography:

Dr. Thommes is Quantachrome's Director of Applied Science and heads Quantachrome's Science department since 2001.

Dr. Thommes is also a Visiting Professor at University of Edinburgh, U.K and is currently the Principal Scientific Advisor to the new ARPA-E/DOE funded NIST/FACT laboratory. He holds leadership positions in a number of authoritative bodies in his field including: Vice Chair - Separations Division Area 2e, AIChE, Editorial Board Member of the journal Adsorption, Journal Advanced Porous Materials and Particle & Particle Systems Characterization.

Dr. Thommes is the Chairman of the IUPAC (International Union for Pure and Applied Chemistry) Task Group – "*Physisorption of Gases, with Special Reference to the Evaluation of Surface Area and Pore Size Distributions*", Convener of the International Standard Organization (ISO) Working Group on Surface Area and Porosity, and Chairman of ASTM C28-03(Physical Properties of Ceramics).

Dr. Thommes has been a member of the Board of Directors of the International Adsorption Society (IAS) from 2007 -2013 and a Council Member of the International Mesoporous Materials Association (IMMA, 2006-2013).

Dr. Thommes has authored/co-authored more than 110 scientific papers, reviews and book chapters, patents as well as a monograph on the Characterization of Porous Solids and Powders. He has given more than 200 presentations, incl. invited plenary and keynote lectures at prestigious international scientific conferences and universities all over the world. In addition Dr. Thommes has been co-chairing various important scientific conferences and symposia in the field of adsorption and materials characterization.

Dr. Thommes has received his Doctorate in Physical Chemistry in 1993 at the Technical University Berlin (1992/93). From 1992- 1995 Dr. Thommes was a Research Associate at the Iwan-N.-Stranski Institute of Physical and Theoretical Chemistry, Technical University Berlin and Project Scientist for a microgravity experiment on critical adsorption which was carried out on the EURECA mission of the European Space Agency (ESA). From 1996 to 1997, he was an ESA fellow and Postdoctoral Research Associate at the Institute for Physical Science and Technology at the University of Maryland at College Park, USA. In 1998 Dr. Thommes joined Quantachrome, first as the Head of Application Department at Quantachrome GmbH in Germany, and then in 2001 as Director of Applied Science at the Quantachrome Headquarters in Boynton Beach, Florida, USA.