

BIOGRAPHICAL SKETCH

Prof. Dr. Thomas J. Graule

EMPA, Swiss Federal Laboratories for Materials Science and Technology
Laboratory for High Performance Ceramics

Überlandstr. 129, CH-8600 Dübendorf, Switzerland

Phone: ++41 (58) 765 4123, Fax: ++41 (58) 765 4150, E-mail: thomas.graule@empa.ch

Name **Graule**, Thomas Josef
Date and Place of Birth 6 August 1959, Ellwangen/Jagst, Germany
Nationalities Swiss and German

Experience

as from 07.1999 Empa Dübendorf, Switzerland,
Head of Laboratory for High Performance Ceramics
02.1995 - 06.1999 Katadyn Produkte AG, Wallisellen, Switzerland
Head of Technique and Logistics,
Member of the Executive Board
02.1989 - 01.1995 Swiss Federal Institute of Technology (ETH) Zurich, Switzerland,
Assistant Professor (Oberassistent) at Institute of Nonmetallic
Inorganic Materials
07.1988 - 12.1988 Fraunhofer-Institut für Angewandte Materialforschung, Bremen, Germany
Scientist

Education

Since 2008 Technical University Freiberg, Germany,
Professor for Nanoparticle Synthesis and Processing of
Nanocomposites
11.1985 - 06.1988 Max-Planck-Institut für Metallforschung, Stuttgart, Germany,
Doctorate Scholarship,
Dr. of Natural Science from University Dortmund (Chemistry)
10.1982 - 08.1985 University Siegen, Germany
Studies in Chemistry, Diploma as Dipl.-Chemist
10.1978 – 09.1982 University of Applied Sciences, Aalen, Germany,
Studies in Chemistry, Diploma as Chemical Engineer
08.1969 - 07.1978 Secondary School, Aalen, Germany
05.1966 - 07.1969 Primary School, Wasseralfingen, Germany

No. of peer-reviewed international publications 290 h-Index: 42
citations: 6000 (without self citations)

Awards

T. Graule, L.J. Gauckler and F.H. Baader,

„Enzyme Catalysis of Ceramic Forming“, Award as „one of two dozen exemplars of real materials research in the last decade which will or has affected technology and thence society“ granted by the National Association for Science, Technology and Society, Washington, USA, September 1994.

1994 Promotion Award 1994 of the „Stiftung Technopark Zürich“, granted on 4 April 1995.

October 2008: Appointed Professor for Nanoparticle Synthesis and Nanocomposite Processing at TU Freiberg, Sachsen, Germany

2010: Keramos Award of the AGH University of Science and Technology Krakow, Poland

2011-2018 Visiting Professor at the University of Krakow AGH, Poland

2011-2012 Center of Advanced Studies: Visiting Professor at the Warsaw University of Technology

August 2016 Appointment as a Mercator Visiting Professor of the Deutsche Forschungsgemeinschaft DFG (for the years 2017-2019 at TU Freiberg)

Scientific activities

Nanopowder synthesis and nanopowder processing

Powder modification and functionalization, nanocomposite development

Water filtration and purification

Photocatalysis and Photoelectrolysis

Advanced fiber shaping techniques

Solid Oxide Fuel Cell and Battery Research

Supervision and co supervision of master projects (around 50) and PhD thesis (around 15) at the Universities of Zurich (ETH), Basel, EPF Lausanne, TU Freiberg, Germany, AGH Krakow, KIT Karlsruhe

Short description

Prof. Dr. Thomas Graule is Head of the Laboratory for High Performance Ceramics at Empa. He studied Inorganic, Analytical and Organic Chemistry, following he completed his PhD at Max Planck Institute for Materials Research, Stuttgart. After working as a scientist at Fraunhofer Gesellschaft, as an assistant professor in advanced shaping techniques at ETH Zürich and in ceramics industry as Head of R+D in a Swiss SME he joined Empa in 1999. Thomas is appointed Professor for Nanoparticle Synthesis and Nanocomposite Technology at the University of Freiberg, Germany, visiting professor at the University of Science and Technology, AGH, in Krakow, PL, and lecturer at ETH Zurich, Switzerland.

Main competence are in (nano) powder synthesis, surface modification of powders and advanced fiber shaping techniques.