
Brief Biosketch of Alexander Hartmaier

Dr. Alexander Hartmaier is currently Professor of Materials Science (Chair in Mechanics of Materials) at Ruhr-Universität Bochum/Germany and Director at the Interdisciplinary Centre for Advanced Materials Simulation (ICAMS), heading the department Micromechanical and Macroscopic Modelling. Since 2016 he is guest professor at the Harbin Institute of Technology/China, from 2016-2019 within the Jang Chiang Scholar Program. From November 2005 to May 2008, he has been Professor of Materials Science at Friedrich-Alexander-Universität Erlangen-Nürnberg/Germany. Prior to this position, he headed the group “Nanostructured Materials” in the department “Theory of Mesoscopic Phenomena” of Prof. Huajian Gao at the Max Planck Institute for Metals Research in Stuttgart/Germany. This is the same institute where he worked on his PhD thesis, which has been awarded the Otto-Hahn-Medal of the Max Planck Society in 2000. In between his stays at the Max Planck Institute in Stuttgart, Dr. Hartmaier spent three years in industrial research in responsible functions as project leader and group leader. The focus of his research work lies on micromechanical and scalebridging modeling of deformation, fracture and fatigue of heterogeneous materials and, more recently, on data-oriented methods and applications of machine learning in materials science. Besides his academic activities, Dr. Hartmaier served the Deutsche Gesellschaft für Materialkunde (DGM), the German Materials Society, as chairman in the term 2017/18, as board member from 2013 to 2018, and as speaker of the program for young scientists from 2011 to 2014.

