

Dipl.-Ing Dr. Steffen G. Scholz has more than 15 years of R&D experience in the field of polymer micro & nano replication with a special focus on injection moulding and relevant tool-making technologies. He is an expert in process optimization and algorithm design and development for micro replication processes. He studied mechanical engineering with special focus on plastic processing and micro injection moulding. He obtained his degree as a diploma engineer from the Rheinisch-Westfaelisch-Technical-University of Aachen (RWTH). He was working at the Institute of Plastics processing at RHTW-Aachen (IKV) and his research was focusing on variothermal injection moulding for replication of micro and nano structured functional surfaces and components. He obtained his PhD from Cardiff University in the field of process monitoring and optimization in micro injection moulding. As a senior research fellow Dr. Scholz was leading a team in micro tool making and micro replication at Cardiff University. Dr. Scholz joined KIT in 2012 and is heading a team in the area of optimisation, knowledge management, system integration and 3D-additive manufacturing. He has numerous publications in the field of micro replication and process optimization.



IARIA contribution:

CENICS 2016: The Ninth International Conference on Advances in Circuits, Electronics and Microelectronics

Keynote speaker: Application driven advances in additive manufacturing

Track organiser on: Application driven advances in additive manufacturing

Author: Steffen Scholz, Adrien Brunet, Tobias Müller, Anita Fuchsbauer, Novel Nanoparticle Enhanced Digital Materials for 3D Printing and their Application Shown for the Robotic and Electronic Industry, CENICS 2016, July 2016, Nice, France

Adrien Brunet, Tobias Müller, Steffen Scholz, Anita Fuchsbauer, Requirements for 3D Printed Applications using Novel Nanoparticle Enhanced Digital Materials, CENICS 2016, July 2016, Nice, France

Max Dobler, James Gourlay, Steffen Scholz, Andreas Schmidt, A Cost Model for SMARTLAM, CENICS 2016, July 2016, Nice, France

ICNS 2016: The Twelfth International Conference on Networking and Services

Keynote speaker: Industry 4.0

INTELI 2015: International Conference on Intelligent Systems and Applications

Author: Steffen Scholz, Tobias Müller, Matthias Plasch, Hannes Limbeck, Tobias Iseringhausen, Markus Dickerhof, Andreas Schmidt, Christian Wögerer, SMARTLAM – Modular, Flexible, Scalable, and Reconfigurable System for Manufacturing of Microsystem, INTELI 2015, October 2015, St Julians, Malta.