Dr. Michael Gebhart

IT Management Consultant
iteratec GmbH, Germany

Dr. Michael Gebhart studied computer science at the University of Karlsruhe in Germany (2008) and did his PhD with focus on a quality-oriented design of services in Service-Oriented Architectures (SOA) at the Karlsruhe Institute of Technology (2011). As result of his PhD he identified measurable quality indicators to evaluate services within SOA regarding quality attributes, such as loose coupling and autonomy. As these quality attributes influence the achievement of strategic goals, such as a higher flexibility, easier maintainability, and lower costs of the IT, his work enables the systematic quality analysis of SOA regarding these goals.

After working as consultant for SOA and Business Process Management (BPM), he started his own business, the Gebhart Quality Analysis (QA) 82 GmbH supported by the German Federal Ministry of Economics and Technology and the European Union. During this time, he developed a new approach and a corresponding software tool to analyze software systems regarding non-functional requirements and best practices. The software tool, the QA82 Analyzer, is continued as open source project in collaboration with the Karlsruhe Institute of Technology (KIT).

Today, Dr. Michael Gebhart is IT Management Consultant at iteratec in Germany. He supports customers in conceptualizing IT solutions and in IT Management issues. Furthermore, he is researcher and lecturer in the context of software engineering, SOA, BPM, and quality assurance. In addition, he is master thesis supervisor and author of numerous scientific and industry-related articles.

Dr. Michael Gebhart's contribution to the IARIA started in 2009. He is author of several articles presented at IARIA conferences and published in IARIA journals. In the last years, he has been session chair, panelist, and keynote speaker at IARIA conferences. Several of his conference contributions have been awarded with Best Paper Awards. Furthermore, Dr. Michael Gebhart is member of the program committee and advisory chair of the International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services (CENTRIC) and International Conference on Software Engineering Advances (ICSEA).