

Prof. Dr. Alfred Zimmermann
Software Architecture and Management

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Alfred Zimmermann is Professor for Software Architecture & Management and Head of the ARL - The Architecture Reference Lab, of the SOA Innovation Lab Germany, at the Faculty of Informatics of Reutlingen University in Germany, where he is also the research coordinator of the faculty. Professor Zimmermann is a research professor in joint graduate programs – supporting Master and PhD students in computer science with the University of West Florida USA, the University of Leipzig, and the University of West Scotland at Glasgow. He keeps as a Liaison Professor the academic relationships of his home university to the GI (Gesellschaft für Informatik) – The German Computer Society, the ACM – The US Association for Computing Machinery, IEEE and the SOA Innovation Lab of Germany, where he is part of different cooperative research programs. Additionally he is a visiting professor and honorary professor for international universities: La Plata University – Buenos Aires, the Marmara University and the Yeditepe University of Istanbul. He got his Diploma (Master) in Medical Informatics from the University of Heidelberg, the Faculty of Theoretical Medicine, with a Master-Thesis about „Diagnostics Expert Systems“ and his Doctorate (Dr. rer. nat.) in Informatics (Computer Science) from the University of Stuttgart, the Faculty of Informatics, in Germany with the PhD-Thesis „A Knowledge-based Environment for Activity-based Learning in Oncological Therapy Planning“. Dr. Zimmermann was a Leading Consultant and former Principal in Software Technologies and IT Management at Daimler Stuttgart where he pioneered, directed and consulted in the 1980-1990s the first object-oriented technology programs in and out of the Daimler group in Germany and in international projects. Professor Zimmermann is a Research Partner of the SOA Innovation Lab, which is a consortium of CIOs and Leading Enterprise IT-Architects from major companies and governmental organizations in Germany and Switzerland. In 2012 he was the laureate of the Research Prize of Reutlingen University.

His current research interests include:

- IT-Enterprise Architecture and Management,
- Software Patterns
- Semantic Support with Ontologies
- Services Computing and Business Process Management, and
- Cloud Computing.

Professor Zimmermann has published book chapters, and a large number of peer reviewed research papers at national and international conferences, like the German Informatics Conferences of the GI-Gesellschaft für Informatik, IARIA Conferences like Services Computation and Patterns, IEEE, ACM and other conferences. He is reviewer of scientific journals and conference programs and member in organizing and program committees at several international and national conferences as well as an organizer and head of scientific workshops.

The teaching record of Professor Zimmermann includes lectures, seminars as well as research projects in topics like:

- Software Engineering
- Software Quality Management
- Software Architecture
- Service-oriented Architecture
- Enterprise Architecture and Management.