

Auenstrasse 34, 80469 München, Germany
Phone: +49 89 2021276
Michael.Stal@gmail.com, Michael.Stal@siemens.com
Website: <http://www.stal.de>
Blog: <http://stal.blogspot.com>



Dr. Michael Stal

Professional Experience

2004 – 2007 *Ph.D. Thesis* Groningen

- Work on Ph.D. thesis "Using and Analyzing Software Architecture (of Distributed Systems) using Patterns" at the Rjksuniversiteit Groningen. Promoter: Prof. Dr. ir. Jan Bosch.
- Ph.D. degree on 16th March 2007.

1991 - *Siemens AG Corporate Research and Technology* Munich

- Senior Principal Engineer and Team Lead.
- Project Management of Research projects and research programs (Distributed Object Computing, Net-Enabled Software Technology, Service-Oriented Middleware and Architecture, Platforms and Product Lines).
- Co-Author of the books Pattern-Oriented Software Architecture – A System of Patterns, Pattern-Oriented Software Architecture – Patterns for Concurrent and Distributed Objects, Software Architektur Handbuch, SOA Expertenwissen.
- Standardization of C++ in ANSI X3J16 Workgroup.
- Siemens Representative at OMG.
- Consulting and Development Support in Siemens projects for Developers and Senior Management.
- Co-Founder of Microsoft-Technology Information Broker @ Siemens.
- Project Management of Medium and Large Projects within Siemens (Medical Solutions, Communications, Automation).
- Seminars in different Technologies (Software Architecture, Patterns, Distribution Middleware, .NET, Java EE, Ruby).

1996 - *Editor of JavaSPEKTRUM* Cologne

- Editor-in-Chief.
- Establishment of magazine in community; Responsibility for Strategy and Content.
- President of the International Java Club.

1984 - *Activities for Academia and Technology Communities* Munich

- Publications in IEEE, ACM, Springer, PLoPD, Wiley Software Technology and Trends, C++ Report, Java Report, Object Magazine, i'x, OBJEKTSpektrum.
- Member of Program Committees for ECOOP (Practitioner Report Chair), OOP, JAOO, QOSA, WICSA (Tutorial Chair), NODE, DOA, Middleware, SELMA, CUC.
- Conference Chair for TOOLS USA, XML & Web Services ONE, OMG Day.
- Keynote Speaker at TOOLS USA, OOP, iWQoS, SET, Java EXPO, German Conference on Healthcare.
- Speaker at OOP, JAOO, OOPSLA, ECOOP, SET, EXPO-C, ADC, TOOLS, .NET ONE.
- Editorial Board of JOT (Journal of Object Technology).

- Editorial Board of OBJEKTSpektrum.
- Book reviewer for d.punkt, Wiley & Sons.
- Appointed Microsoft MVP Solution Architect.

1982 – *Consulting Activities* Munich

- Freelancer
- Co-Founder of a small IT company (PS Computersysteme).
- Working for the Computer Magazine CHIP (author, hotline, development of benchmarks) as well as working for IDG and Borland.
- Co-Organization of Borland's European Software Festival in Munich.
- Development of an application for garden supplies using Turbo-Pascal.
- Consulting of companies how to migrate to AIX on behalf of IBM (e.g., Linde).
- General Architecture and Technology Consulting (Bayer, Borland, IBM, T-Systems, Salzburger Landesregierung, Bauer Kompressoren).

Education

2004-2007 *Rijksuniversiteit Groningen* Gronigen

- Ph.D. in Natural Sciences and Mathematics

1984-1990 *Technische Universität* Munich

- Computer Science and Mathematics.
- Focus on Compiler Construction.
- Additional Work Areas: Parallel Computers, Object-Oriented Programming, Computer Graphics.
- Diploma/Master Thesis with "summa cum laude".

1973-1982 *Maria-Theresia Gymnasium* Munich

- Abitur

1969-1973 *Wittelsbacher Grundschule* Munich

Skills

- Technology:
 - Software Architecture: Modelling (UML, DSLs), Patterns, Product Line Engineering, Component-Based Software Development, Aspect-Oriented Programming, Service-Oriented Architecture, Large System Design, Fundamentals of Model-Driven Development.
 - Java: Java SE, Java EE, Eclipse.
 - .NET: C#, .NET Framework, Technologies for Distribution, Visual Studio {.NET}.
 - Middleware: Object-Oriented Middleware (CORBA, COM, .NET Remoting, WCF/WF, Web-Services, Java RMI), Message-Oriented Middleware (MSMQ, JMS), Peer-to-Peer Approaches.
 - Operating Systems: Windows {NT, 2000, XP, Vista}, Linux, Solaris.
 - Programming Languages: C/C++, C#, D, Java, Pascal, Ruby, x86 Assembly Language.
- Domain Competencies: Communications, Health, Automation.
- Management:
 - Team Management.
 - Budget Responsibility.
 - External Marketing and Presentation.
 - Project Acquisition and Management.
 - Architecture and Technology Consulting.
- Personal Skills:

- Languages: English (excellent speaking and writing skills), German (native language).
- High communication skills.
- Leading and motivating teams.
- Explaining complex facts.
- Co-operating in teams.