

Curriculum vitae

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Personal Information:

Dr. Robert Zores

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Date and place of birth: May, 21st. 1962 in Bad Ems, Germany

Nationality: german

Marital Status: married since June, 21st 1996 with Dipl.-Math. Birgit Zores, b. Seitz
Kids (4): Linda *01.18.2000, Tanja *08.18.2002, Kai * 31.07.2005, Peter * 11.03.2009

Degree: Physicist (Dr. rer. nat.) from Georg-August-Universität at Göttingen with subsidiary subject "computer science"

Hobbies: Sports: Tennis, Wind/Kite surfing, Skiing, Motocycling, Canoeing

Education and work experience Robert Zores

School education:

- 1968 - 1972 Primary school in Bad Ems and Eschenstruht / near Kassel
- 1972 - 1982 Humanistisches Friedrichsgymnasium in Kassel with Abitur-certificate

Army:

- 1982 - 1983 Basic military service (Airforce-Helicopter squadron near Fritzlar)

University:

- 1983 - 1989 Study of Physics at Georg-August-Universität Göttingen
- April 1986 Vordiplom (Bachelor)
- April 1989 Diploma with emphasis on Applied Mechanics, Fluid Mechanics and computer science realised at Max-Plank Institute Göttingen
Title of Diploma Thesis: *Numerische Untersuchungen mit einem grobauflösenden Simulationsmodell für die turbulente Kanalströmung*
- January 1998 Dissertation at "Mathematisch-Naturwissenschaftliche Fakultät" of Georg-August-Universität Göttingen:
Thesis: *Integrierte Entwurfsmethoden als Basis eines Expertensystems für transsonischen Profilentwurf.*

Professional Career:

Academic Part

- 1985 - 1986 Part-time assistant professor at Georg-August-Universität Göttingen:
Teaching of beginner classes and practical training in physics and computer science
- 1986 - 1989 Part-time assistant researcher at (DLR) German Aerospace Centre in Göttingen with the following topics:
Fluid mechanics: Transition and Turbulence
Computer Science: System management, Support of Sun Workstations,
Infrastructure development including networking with Sun/SGI/Convex/IBM-SNA
- 1989 - 1999 Researcher at German Aerospace Centre (DLR) Göttingen, Institute for Fluid Mechanics, Division: High Speed Aerodynamics

Managerial Career:**Industry Part**

- 1999 - Nov. 2001 Consultant and Lead Architect at Technology & Architecture Office. Responsible for Middleware, Software Development and Java at Sun Microsystems.
- Dec. 2001 Chief Technology Officer (CTO, Member of the Board) at energis-ISION. Responsible for DataCenters (Hosting), Networks (SDH and IP), Security and Product Management
- July 2002 - Dec. 2003 Chief Technology Officer (CTO, Geschäftsführer) at ision GmbH (Subsidiary of easynet PLC), Business takeover for Core business Hosting, Networking and Security
- Jan. 2004 - Feb. 2005 Chief Technology Officer (CTO, Vice President) at AOL Deutschland GmbH Responsible for Development and Operations (DataCenter & Networks)
- Feb. 2005 - Dec. 2005 CTO and Managing Director (Geschäftsführer) at ORGA Kartensysteme GmbH (SmartCard Development and System Integration, Card terminals)
- Dec. 2005 - Oct. 2006 CTO & VP for International Development at Sagem Orga, Takeover of french and chinese development facilities for areas "Health & ID", Banking and Telecommunication
- Apr. 2007 - March 2008 Freelancer at "mgm consulting partners GmbH" in Hamburg and Munich. Emphasizing on IT-technology consulting in the energy- and media business.
- Apr. 2007 - present Chief Technology Officer (CTO, Vice President) at Autoscout24 GmbH in Munic. Responsible for "Business Development, Produkt Management" as well as Development and operations (IT) of this market place. Continuing revolution from "Classified"-business with community- and advertisement products.

Languages:

German (Mother tongue)
English (fluent)

Memberships:

American Institute of Aeronautics and Astronautics, Inc. (AIAA)
Association for Computing Machinery (ACM)
Java User Group Deutschland (Member of the Board)
Sun User Group Deutschland (Member of the Board)
Gesellschaft für Informatik (GI-Germany)

Research Activities:

Summer 1989 MIT Boston: Project Athena (X11) & CFD-Codes
December 1989 University of Colorado, Boulder: Expert Systems,
M.o.U. with Sun-User Group USA
Summer 1991 University of Colorado: Hypersonic, Waverider Topics
Summer 1994 Von Karman Institute (VKI) Brüssel: Transonic Design Methods

Talks / Lectures at national and international Conferences:

1989 ACM-SIGGRAPH, Boston
1990 ACM-SIGGRAPH, Dallas
1991 ACM-SIGGRAPH, Las Vegas
1993 ACM-SIGGRAPH, Los Angeles-Anaheim
1995 AIAA, San Diego
1997 HPCN Wien, AIAA Atlanta & Aspen
1998 Workshops TU Wien, Universität Linz
1999 JavaOne San Francisco, JavaDays Düsseldorf
2000 JavaOne San Francisco
2001 KIVS (Communication in distributed Systems) TU Hamburg
2003 OOP München
2003-2005 JAOO Aarhus (Denmark)

Special Topics (Physics, Aerodynamics and Computer Science):

Development and Optimization of „Computational Fluid Dynamics Codes“(CFD)
Expert Systems for Fluid Mechanics
High End Computer graphics
Networking, Unix-Operating Systems and distributed computing
Graphical User interfaces
Software engineering, Several Methods and Theories
Java Technologies (Enterprise-, Standard- and Micro edition)
Complex EAI-Architectures based on Java, CORBA and
COM-Technologies
Web Technologies:
 Java & Scripting Integration, .Net, databases: (MySQL, Oracle)
 Web-Analytics (Omniure), Behavioral Targeting
Search-Engines: Endeca, Fast, Attivio, Sphinx

Programming Languages:

Java, C/C++, Fortran, Visual Basic, SQL, Pascal, LISP, Scheme
Scripting: Perl, PHP, Python

Project Overview (Industry)

Sun:

IT-consulting and architectural advisor for leading enterprises in Germany and Europe with main focus on Web hosting, Billing, eCommerce and Wireless. Introduction and Implementation of n-Tier-Architectures.
(EADS - Airbus, Deutsche Börse, Lufthansa, Deutsche Bank, Bahn AG, several telecommunication companies)

energis-ISION:

Consolidation of IP networks of several subsidiaries into one Autonomous System (AS).
Migration and Right Sizing of DataCenter Infrastructure into a central DataCenter in Hamburg.
Business separation of SDH and IP Network Infrastructure to create independent companies with their own Callcenter.

ision-easynet:

Merger and Integration of easynet Infrastructure (Network & DataCenter, Callcenter) with ision. Continuation under the easynet brand.
Development of a new business with telephone-minutes (with reused Cisco Equipment)
Launch of integrated business process software with production planning and control. Introduction of billing components based von Java2 Enterprise Edition (J2EE).

AOL:

Prototype development of a new lean browser version (AOL connect).
Upgrading of network infrastructure and telephone minutes optimization.
Reorganization of DataCenter setup (Redundancy - Security).

Orga (Sagem-Orga):

Setup and development of an international software development team. Near-shoring and offshoring of specific functions into countries like Russia (Moscow), India (New Dehli), Brasil (São Paulo) and Singapore.
Development of german health card and appropriate card readers for the next generation of the "Electronic Health Card System" in Germany.
Product development for german "Geldkarte", a specific high security electronic purse system.
Introduction of the first 128MB SimCard for the 3G market.
Research on wireless card technologies like ZigBee (IEEE 802.15.4) or Near Field Communication (NFC).

mgm consulting:

Technology consulting for several companies:
- Data center setup & consolidation
- Middleware evaluation (SAP, Oracle, J2EE, etc)
Management Consulting:
- Organizational changes and innovative setups in IT-departments.
- Workflow management and consistency checks.

Autoscout24:

Joining two major department (IT and product management) by introducing agile development methods (here: Scrum).
Extending the technology portfolio from .Net to “Ruby on Rails” and introducing some other new agile methodologies. Streamlining product portfolio and focus on customer needs with a new CRM system based on Rails.
Introduction of a new search technology based on caching-engines including a new usability feature called “Guided Navigation”.
Setup an AdServer team to develop new products and to capitalize on a large inventory.
Integration of external service providers to handle the needs of Car-Dealers in their daily business (DMS-Dealer Management System)
Next stage of development with planning on transactional systems to extend the classified market into the B2B area.

Selected national and international Projects (Research)

Aerospace Projects (Germany only):

AMANDA - Hochleistungsrechnen zur Kostensenkung und Beschleunigung des Entwicklungsprozesses in der Luftfahrtindustrie (BMBF, DASA, DLR)
(Supercomputing project to bring more efficiency for the development process into the aerospace field)

SISS - Simulationszentrum für Strömungs- und Strukturkopplung
(DLR Göttingen, DLR Braunschweig, HGF-Project)
(Launching Computational Fluid Dynamics Center in Germany)

Industrial projects at DLR:

High Lift Systems for transonic Aircraft
France: ONERA, Germany: DASA Bremen/Hamburg (A380)

Design of Transonic Wind tunnels in:
Indonesia, Italy, Germany

Turbine- / Compressor Development
Aircraft engines at BMW-Rolls Royce
(AeroBlade: Java Project for A380) Trent Engine)

Object oriented database for aircraft design
(In India: NAL Bangalore, Government- and Industrial cooperation)

Selected Publications:

Scientific:

- R. Zores
Numerische Untersuchungen mit einem grobauflösenden Simulationsmodell für die turbulente Kanalströmung
DLR IB 221-89 A24, Göttingen, 1998
- R. Zores
Transsonischer Profilentwurf mit Hilfe eines Expertensystems
Deutscher Luft- und Raumfahrtkongreß 1994; DGLR-Jahrestagung, Erlangen, 4.-7. Oktober 1994, Poster Nr. 94-PS-182
- R. Zores
Transonic Airfoil Design with Expert Systems
13th AIAA Applied Aerodynamics Conference, San Diego, CA, June 19-22, 1995, paper No. AIAA-95-1818
- R. Zores
Expertensystem für Transsonischen Profilentwurf
Deutscher Luft- und Raumfahrtkongreß 1995; DGLR-Jahrestagung, Bonn, 26.-29. September 1995, paper No. DGLR-JT95-042
- J. Trapp, R. Zores, Th. Gerhold, H. Sobieczky
Geometrische Werkzeuge zur Auslegung Adaptiver Aerodynamischer Komponenten.
Tagungsband der DGLR Fachausschußsitzung T2.2; Experimentelle Aerodynamik, Berlin 1996
- J. Trapp, R. Zores, Th. Gerhold, H. Sobieczky
Geometrische Werkzeuge zur Auslegung Adaptiver Aerodynamischer Komponenten.
Deutscher Luft- und Raumfahrtkongreß 1996: "Innovationsquelle Luft- und Raumfahrt - Projekte und Perspektiven", Dresden, 24. - 27. September 1996
- R. Zores, J. Trapp, S. Standfuß, H.-G. Pagendarm
Online Auswertung am TWG bei der Messung des Modells DLR-F9; Prototyp eines Systems zur Entscheidungsunterstützung für Änderungen des Versuchsablaufs bei laufender Messung.
AG STAB, 10. DGLR-Fach-Symposium, Braunschweig, 11.-13. November 1996
- A. Heddergott, H. Haselmeyer, H. Psolla-Bress, H. Sobieczky, E. Stanewsky, R. Zores
Kraft- und Druckmessungen an dem Hochdeckermodell DLR-F9 mit Endscheiben
DLR IB 223-96 A 52, Göttingen, 1996
- R. Zores, J.C. Trapp, S. Standfuß, H.-G. Pagendarm
On-Line Data Processing for the DLR-F9 Windtunnel Experiment.
in: H. Körner, R. Hilbig, New Results in Numerical and Experimental Fluid Mechanics, Vieweg, 1997
- R. Zores, H. Sobieczky
Using flow control devices in small wind tunnels
15th AIAA Applied Aerodynamics Conference, Atlanta, GA, June 23-25, 1997, paper No. AIAA-97-1920