

Short CV

Prof. Dr. Siegfried Benkner

Full Professor for Scientific Computing – Parallel and Distributed Systems
Head, Scientific Computing Research Group
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Education

1988 MSc Degree, Computer Science, Vienna University of Technology
1994 PhD Degree, Computer Science, Vienna University of Technology
2000 Habilitation, Computer Science, University of Vienna

Professional Experience

1983 – 1985 Software Developer (free lance), ENGEL AUSTRIA GmbH
1988 – 1990 Software Engineer, SIS - GmbH, Vienna, Austria
1990 – 1991 Research Assistant, University of Vienna,
Institute for Statistics and Computer Science
1991 – 1998 Assistant Professor, University of Vienna,
Institute for Software Technology and Parallel Systems
1996 – 1998 Technical Director, EU FP5 Project HPF+
1998 – 1999 Research Staff Member, NEC Europe Ltd., St. Augustin, Germany
1999 – 2001 Assistant Professor, University of Vienna,
Institute for Software Science
2001 – 2010 Associate Professor, University of Vienna,
Institute for Software Science / Department of Scientific Computing
2002 – 2004 Head of Institute, Institute for Software Science, University of Vienna
2005 – 2010 Department Head, Department of Scientific Computing, University of Vienna
2010-2012 Coordinator EU FP7 Project PEPPER
12/2010 Offer of a Full Professorship for Parallel Computing from Vienna University of
Technology (declined)
Since 2011 Full Professor for Scientific Computing – Parallel and Distributed Systems,
University of Vienna
Since 2011 Head of Scientific Computing Research Group, Faculty of Computer Science,
University of Vienna

Main Research Areas

- **Parallel and High Performance Computing**
 - Programming paradigms and languages
 - Compilers and runtime systems
 - Programming environments and support tools
- **Cloud Computing**
 - Service-oriented architectures and middleware
 - HPC application services
 - Data integration
- **Algorithms and Applications for High Performance Systems**

Software infrastructures and algorithms for scientific and industrial applications on parallel systems and distributed systems.

Research and Cooperation Projects (selected)

CHIPSET – High-Performance Modelling and Simulation for Big Data Applications
European Commission, ICT COST Action IC1406: April 2015 – April 2019
Role: Management Committee Member

VPH-SHARE – Virtual Physiological Human: Sharing for Healthcare - A Research Environment
European Commission, ICT-2009.5.3-269978: March 2011 – May 2015
Role: Project partner

AUTOTUNE - Automatic Online Tuning
European Commission, ICT-2011.3.4-288038, Oct 2011 – April 2015
Role: Project Partner, Workpackage Leader

PEPPER - Performance Portability and Programmability for Heterogeneous Many-core Architectures
European Commission, ICT-2009.3.6-248481, Jan 2010 – Dec 2012
Role: Project Director, Scientific Coordinator

@neurIST – Integrated Biomedical Informatics for the Management of Cerebral Aneurisms
European Commission, IST FP6 Project IST-2004-027703; January 2006 – March 2010
Role: Project partner, Member of Architecture Board

RETIDA - Real-Time Data Analytics in the Mobility Domain
Austrian Research Promotion Agency, ICT of the Future; July 2015 – December 2016
Role: Project partner

GEMSS – Grid-Enabled Medical Simulation Services
IST FP5 Project IST-2001-37153; September 2002 - February 2005
Role: Project partner, Member of Project Management Board and Workpackage Leader