

# Curriculum Vitae

## Petr Tůma

---

Department of Software Engineering  
Faculty of Mathematics and Physics  
Charles University  
Malostranské náměstí 25  
118 00 Praha 1 Malá Strana  
Czech Republic

office +420-221914267

petr.tuma@dsrg.mff.cuni.cz  
<http://dsrg.mff.cuni.cz/~ceres>

### Education

2006	Habilitation thesis „Component Middleware“ defended.
1998	Disertation thesis „Persistence in CORBA“ defended.
1994-1997	Doctoral studies at Charles University, Prague.
1994	Master thesis „Design and implementation of dialup router“ defended.
1989-1994	Master studies at Czech Technical Institute, Prague.

### Employment

since 2006	Associate Professor, Department of Software Engineering, Charles University, Prague
1999-2006	Senior Assistant Professor, Department of Software Engineering, Charles University, Prague
1998-1999	Researcher, Institut de Recherche en Informatique et Systèmes Aléatoires, INRIA, France
1997-1999	Assistant Professor, Department of Software Engineering, Charles University, Prague

### Research Activities

#### Projects

Q-ImPrESS (EU Quality Impact Prediction for Evolving Service-Oriented Software), Distributed Systems Research Group, Department of Software Engineering, Charles University, Prague. Partners ABB, FZI Karlsruhe, MRTC Malardalen, Ericsson Croatia, Itemis, Softeco. 2008-2010, performance modeling for component systems. Funded by EU STREP.

Voice Interactions Over Intelligent Network, Distributed Systems Research Group, Department of Software Engineering, Charles University, Prague. Partner IBM Voice Systems and Technologies. 2006, application of component systems and component middleware in interactive applications. Funded by IBM Faculty Awards.

OSIRIS (ITEA Open Source Infrastructure for Runtime Integration of Services), Distributed Systems Research Group, Department of Software Engineering, Charles University, Prague. Partners CognIT, Ericsson, Eteration, Gamelot, Gatespace, ICT, Inaccess Networks, IT Portugal, ItalTel, Karde, Norwegian Comp Center, Philips, Portugal Telecom, RadioNor, RedIris, SINTEF, SOT, SuperOffice, Tax Administration Norway, Telefonica, Telvent, Thales, University of Malaga, Universidad Politecnica de Madrid, VTT. Since 2005, component systems and middleware systems. Funded by EUREKA ITEA.

OSMOSE (ITEA Open Source Middleware for Open Systems in Europe), Distributed Systems Research Group, Department of Software Engineering, Charles University, Prague. Partners Bantry Technologies, Bull, EPFL, France Telecom, INRIA, INT, iTEL, Kelua, LIFL, LSR, Lynx, Philips, Telefonica, Telvent, Thales, Universidad Politecnica de Madrid, VICORE, Whitestein Technologies. 2002-2004, component systems and middleware systems. Funded by EUREKA ITEA.

PEPiTA (ITEA Platform for Enhanced Provisioning of Terminal Independent Applications), Distributed Systems Research Group, Department of Software Engineering, Charles University, Prague. Partners Alcatel, Bull, France Telecom, Bantry Technologies (Ireland), Katholieke Universiteit Leuven (Belgium), University of

Grenoble (France), University of Valenciennes (France). 2000-2001, component systems and middleware systems. Funded by EUREKA ITEA, won the ITEA Achievement Award 2002.

SOFA/DCUP (Software Appliances, Dynamic Component Updating), Distributed Systems Research Group, Department of Software Engineering, Charles University, Prague. Since 1996, formal specification, component systems, middleware systems. Funded by AVČR and GAČR.

Middleware Benchmarking Projects, Distributed Systems Research Group, Department of Software Engineering, Charles University, Prague. Partners Borland International (USA), IONA Technologies (Ireland), Deutsche Post .COM (Germany). Since 1997, middleware benchmarking, CORBA, EJB, Java, C++.

ASTER (Software Architectures, Formal Specification Of Properties, Systematic Synthesis), Institut de Recherche en Informatique et Systèmes Aléatoires, INRIA, France. 1998-1999, formal specification, temporal logic, theorem proving, CORBA, C++.

Interoperability in CORBA, TOCOOS Copernicus Project CP940247, Distributed Systems Research Group, Department of Software Engineering, Charles University, Prague. Partners Cyfronet (Poland), IONA Technologies (Ireland), Mari (England). 1995-1996, CORBA, C++.

Educational Robotics Projects, Educational Robotics Center Kadaň. 1985-1989, hardware design, embedded systems, assembler i8080 and i80x86.

## **Publications**

For a complete listing, see <http://dsrg.mff.cuni.cz/publications.phtml>.

## **Organization**

Steering Committee Member of SOFSEM since 2002.

Guest editor Studia Informatica Universalis (SIU) special issue on Software Engineering, 2005.

PC track-chair of SOFSEM 2009 (proceedings Springer LNCS), Czech Republic.

PC co-chair of SERA 2008 (proceedings IEEE, Springer SCI), Czech Republic.

OC and PC chair of OOPSLA 2004 Workshop on Component and Middleware Performance, USA, 2004.

OC and PC chair of OOPSLA 2003 Workshop on Middleware Benchmarking, USA, 2003.

PC member of ASMTA 2008 (proceedings Springer LNCS).

PC member of DATAKON 2006, 2007, 2008.

PC member of ICSE 2008 SEESE (proceedings ACM DL).

PC member of ICSSOC 2007 PHD SYMPOSIUM.

PC member of ICSSEA 2007.

PC member of MEMICS 2007, 2008.

PC member of QOSA 2008 (proceedings Springer LNCS).

PC member of SE 2007, 2008 (proceedings ACTA).

PC member of SIPEW 2008 (proceedings Springer LNCS).

PC member of SOFSEM 2000, 2001, 2002, 2005 (proceedings Springer LNCS).

PC member of TOOLS EUROPE 2007 CSPROVE.

PC member of TTSS 2007, 2008 (proceedings Elsevier ENTCS).

Member of OW2 Board of Directors since 2007.

Member of OW2 Technical Committee since 2007.

Member of ObjectWeb College of Architects 2005-2006.