



# ACSE 2003: 3rd International Workshop on Adoption-Centric Software Engineering

[ICSE 2003, the 25th International Conference on Software Engineering](#)



**ACSE 2003**  
**May 9, 2003**  
**Hilton Portland**  
**Portland, Oregon, USA**  
<http://www.acse2003.cs.uvic.ca/>

Robert Balzer, Teknowledge Corporation, USA  
Jens Jahnke, University of Victoria, Canada  
Marin Litoiu, IBM Canada Ltd., Canada  
Hausi A. Müller, University of Victoria, Canada  
Dennis B. Smith, Carnegie Mellon Software Engineering Institute, USA  
Margaret-Anne Storey, University of Victoria, Canada  
Scott R. Tilley, Florida Institute of Technology, USA  
Ken Wong, University of Alberta, Canada

*The **key objective** of this workshop is to explore innovative approaches to the adoption of software engineering tools and practices through the extension of Commercial Off The Shelf Software (COTS) products and/or middleware technologies. The workshop aims to advance the understanding and evaluation of adoption of software engineering tools and practices by bringing together researchers and practitioners who investigate novel solutions to software engineering adoption issues.*

## Main Contact:

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[Download Web Site as PDF \(incl. program\)](#)

## Workshop Theme

Understanding adoption of software engineering tools and practices is critical for the software and information technology sectors, which are continually challenged to increase their productivity. The goal of this workshop is to bring together researchers and practitioners who investigate innovative solutions to software engineering adoption issues. The key objective of this workshop is to explore approaches where software engineering tools and practices are implemented as extension of Commercial Off The Shelf Software (COTS) products and middleware technologies that work in conjunction with software engineering tools as well as mined components. The workshop aims to advance the understanding and evaluation of adoption of software engineering tools and practices.

Research tools in software engineering often fail to be adopted and deployed in industry. Important barriers to adopting these tools include their unfamiliarity with users, their lack of interface maturity, their limited support for complex work products of software development, their poor interoperability, and their limited support for the realities of system documentation engineering. Developing and deploying innovative research tools and ideas as extensions to modern, commonly used platforms may ease these barriers. Recently, tool builders and standards bodies have invented effective standards and interfaces for tool extension and customization. These advances have opened new research avenues on how innovations in software engineering tools can be made more easily adopted by inserting them as extensions to commonly used office suites and middleware platforms.

Users will more likely adopt tools that work in an environment they use daily and know intimately. For example, common office suites are used daily to browse Web content, produce multimedia documents, prepare presentations, and maintain budgets. These suites and other middleware-based environments can be extended and leveraged to provide familiar cognitive support for software engineering tasks.

Injecting more of the great software engineering research results into industrial practice has potentially a significant impact on the production of quality software. Thus, this research addresses two diverse markets: the software developers, who need to understand and document existing software systems, but also the researchers, who want to inject and validate their research tools in industrial development processes.

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## Attendance

This workshop will be run in a highly interactive style. ACSE 2003 will include invited talks and short position statements. Participants should come to the workshop prepared to engage in lively discussion sessions. The contributions to the ACSE 2003 workshop will be consolidated into a summary report, which is expected to evolve into a roadmap to assist in achieving best practice in software engineering adoption. This report will be published in ACM SIGSoft Notes.

Workshop participants will be solicited first and foremost through the ICSE 2003 Web site, ICSE 2003 mailing lists, invited speakers, and mailing lists from two previous related workshops. Participants will be selected according to their position papers.

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## Speaker Guidelines

Please refer to the ICSE 2003 speaker guidelines at <http://cs.oregonstate.edu/icse2003/conferenceInfo/speakersguide.html>

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## Registration

Registration to ACSE 2003 has to be made through the ICSE 2003 main conference. Early registration rates are in effect through **April 11, 2003, 5:00 pm Eastern Standard Time**. Rates and costs are higher thereafter, so register now!

For details on advance registration and to register, please visit the ICSE 2003 registration service at <https://newton.computer.org/conferences/se03.nsf>.

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## Hotel Reservation

For details on the conference hotel and room reservation advance registration and to register, please visit the ICSE 2003 Web site at <http://cs.oregonstate.edu/icse2003/travel/hotel.html>. To qualify for special ICSE hotel rates, you must register by **April 14, 2003**.

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## Submission

We invite short position papers, limited to 4-6 pages, that describe ongoing work or new ideas within the scope of the

workshop. Papers must not have been previously published or submitted elsewhere.

Submissions to ACSE 2003 can be submitted electronically at <http://icse2003-submissions.ira.uka.de:8080/acse-papers/submit/>

Instructions regarding submission formats and templates are available on the [ICSE 2003 Submission Format](#) page.

If you are having problems submitting a paper electronically over the Internet, please see the [If You Have Submission Problems](#) page.

Accepted papers will be published as part of the ICSE 2003 workshops.

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## Important Dates

**Submission Date:** March 1, 2003

**Notification:** March 1, 2003

**Camera-ready Copy:** April 1, 2003

**Workshop:** May 9, 2003

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## Related Links

Adoption-Centric Tool Development (ACTD); CASCON 2001  
<http://www.cas.ibm.com/archives/2001/workshops/descriptions37.shtml>

2nd Int. Workshop on Adoption-Centric Software Engineering; STEP 2002  
<http://iwcase.org/step2002/Workshop-CFP-ACSE-2002.pdf>

ACSE@UVic  
<http://www.acse.cs.uvic.ca/>

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## Organizing Committee



**Dr. Robert Balzer, Teknowledge Corporation, USA [Homepage](#)**

After several years at the Rand Corporation, Dr. Balzer left to help form the University of Southern California's Information Sciences Institute (USC-ISI) where he served as Director of ISI's Software Sciences Division and Professor of Computer Science at USC. In 2000 he joined Teknowledge Corporation as their CTO and Director of their Distributed Systems Unit, which combines AI, DB, and SE techniques to automate the software development process. His current research includes wrapping COTS products to provide safe and secure execution environments, extend their functionality, and integrate them together; instrumenting software architectures; and generating systems from domain specific specifications.



**Dr. Jens-Holger Jahnke, University of Victoria, Canada [Homepage](#)**

Dr. Jahnke is an Assistant Professor at the University of Victoria, Canada. He holds a doctoral degree (summa cum laude) from the University of Paderborn, Germany. He received the E. Denert Software Engineering Award in 2000 and has been appointed an Industrial Research Fellow by the Advanced Systems Institute of British Columbia. He is a Principal Investigator of the Consortium for Software Engineering Research (CSER). His current research focuses on network-centric aspects of software engineering, in particular system mediation, system reverse engineering, embedded systems, data reengineering, and connection-based programming.



**Dr. Marin Litoiu, IBM Canada Ltd., Canada [Homepage](#)**

Dr. Litoiu is member of the Centre for Advanced Studies at the IBM Toronto Laboratory where he initiates and manages joint research projects between IBM and Universities across the globe in the area of Application Development Tools. Prior to joining IBM (1997), he was a faculty member with the Department of Computers and Control Systems at the University Politehnica of Bucharest and held research visiting positions with Polytechnic of Turin, Italy, (1994 and 1995) and Polytechnic University of Catalonia (Spain), and the European Center for Parallelism (1995). Dr. Litoiu's other research interests include distributed objects; high performance software design; performance modeling, performance evaluation and capacity planning for distributed and real time systems.



**Dr. Hausi A. Müller, University of Victoria, Canada [Homepage](#)**

Dr. Müller is a Professor at the University of Victoria, Canada. He is a Visiting Scientist with the Centre for Advanced Studies at the IBM Toronto Laboratory and the Carnegie Mellon Software Engineering Institute. He is a principal investigator of CSER. Together with his research group he investigates technologies to build adoption-centric software engineering tools and to migrate legacy software to object-oriented and network-centric platforms. Dr. Müller's research interests include software engineering, software evolution, reverse engineering, software reengineering, program understanding, software engineering tool evaluation, and software architecture. He is GC for IWPC-2003. He was GC for ICSE-2001.



**Dr. Dennis B. Smith, Carnegie Mellon Software Engineering Institute, USA [Homepage](#)**

Dr. Smith is a senior member of the technical staff in the Product Line Systems Program at the Software Engineering Institute. He is the technical lead in the effort for migrating legacy systems to product lines. In this role he has integrated a number of techniques for modernizing legacy systems from both a technical and business perspective. Dr. Smith has been the lead in a variety of engagements with external clients. He led a widely publicized audit of the FAA's troubled ISSS system. This report produced a set of recommendations for change, resulting in major changes to the development process, and the development of an eventual successful follow-on system. Earlier, Dr. Smith was project leader for the CASE environments project. This project examined the underlying issues of CASE integration, process support for environments and the adoption of technology. He is also a co-editor of the IEEE and ISO recommended practice on CASE Adoption. He has been general chair of two international conferences, IWPC'99 and STEP'99.



**Dr. Margaret-Anne Storey, University of Victoria, Canada [Homepage](#)**

Dr. Storey is an Assistant Professor at the University of Victoria. Her main research interests involve understanding how people solve complex tasks, and designing technologies to facilitate navigating and understanding large information spaces. With her students and she is working on a variety of projects within the areas of software engineering, human-computer interaction, information visualization, social informatics and knowledge management. Dr. Storey is a fellow of the ASI and as such collaborates with the IBM PDC on HCI issues for eCommerce and distributed learning applications, and with ACD systems. She is a principal investigator for CSER developing and evaluating software migration technology and a visiting researcher at the IBM Centre for Advanced Studies.



**Dr. Scott R. Tilley, Florida Institute of Technology, USA [Homepage](#)**

Scott Tilley is an Associate Professor at the Florida Institute of Technology. He is also Principal of S.R. Tilley & Associates, a Southern California-based information technology consulting boutique. He maintains an appointment as Visiting Scientist with the Software Engineering Institute at Carnegie Mellon University. He was PC Chair for SIGDOC 2001, and is GC of the WSE 2003.



**Dr. Kenny Wong, University of Alberta, Canada [Homepage](#)**

Ken Wong is an assistant professor at the University of Alberta. His main areas of research are software architecture, integration, evolution, and visualization. This research includes conducting case studies, building and using integrated environments for reverse engineering, and exploring a framework for continuous, collaborative program understanding. Current industrial collaborations include IBM, KLOCwork Inc., and Intuit Canada. He is a principal investigator of CSER and ASERC. He co-manages a Canadian Foundation for Innovation facility to study distributed software development, with connected, experimental laboratories at the University of Calgary and University of Alberta. Dr. Wong is also PC Chair for IWPC 2003 and WSE 2003.

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Last changed: April 24, 2003

Web site design and administration: [Anke Weber](#), University of Victoria, Canada