

Call for Participation



FORGING NEW LINKS

**The 20th International Conference on
Software Engineering
April 19-25, 1998
Kyoto International Conference Hall,
JAPAN**

Koji Torii, ICSE98 General Chair

Kokichi Futatsugi and

Richard Kemmerer, ICSE98 Program Co-chairs

<http://icse98.aist-nara.ac.jp/>

Sponsored by

Science Council of Japan

Information Processing Society of Japan

Japan Society of Software Science Technology

IEEE Computer Society, Technical Committee on
Software Engineering

ACM Special Interest Group on Software Engineering

In cooperation with

Ministry of Education, Science, Sports and Culture

Ministry of Posts and Telecommunications

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Tutorials: April 20-21

- Software Patterns: Ralph Johnson (University of Illinois)
- Software Testing and Analysis for Practitioners: Mauro Pezze' (Politecnico di Milano) and Michal Young (University of Oregon)
- The Objectory Process: Philippe Kruchten (Rational Software Corporation)
- Cleanroom's Place in Today's Software development World: Chales Engle and Dave Fuhrer (Q-labs)
- Using Design Patterns to Construct Frameworks: Ralph Johnson (University of Illinois)
- Introducing the Unified Modeling Language (UML): Stephen Morris (The City University, London)
- C++ for Software Engineering: Standard Solutions for Standard Problems: Mehdi Jazayeri and Georg Trausmuth (Technical University of Vienna)
- Software Surgery: Keith Gallagher (Loyola College)
- What Every Software Engineer Should Know about Hypermedia for Designing WWW Applications: Michael Bieber (New Jersey Institute of Technology)
- The Experience Factory, How to Build and Run One: Victor Basili and Frank McGarry (University of Maryland)
- Requirements Analysis for Evolving Systems: Colin Potts (Georgia Institute of Technology)
- An Introduction to OMG/CORBA: Wolfgang Emmerich (University College London)
- COTS Product and Technology Evaluation: Concepts and Pragmatics, Kurt Wallnau and David Carney (Software Engineering Institute)
- Java (title tentative): James Gosling (Sun Microsystems)
- Distributed Software Architectures: Jeff Kramer and Jeff Magee (Imperial College)
- Design by Contract: Bertrand Meyer (Interactive Software Engineering Inc.)
- Software Forensics: Digging through the data, Shari Lawrence Pfleeger (Systems/Software, Inc.)

**Keynote Presentation: James Gosling
(Sun Microsystems, USA)**

Technical Program and Panels: April 22-24

- Experiences with Software Process Improvement
- Project Estimation and Simulation
- Estimation Technologies
- Project and Workflow Management
- Software Evolution
- Large Scale and Complex System Development

- Formal Modeling
- Formal Methods and Object Orientation
- Managing Objects
- Object-Oriented Technology
- Reverse Engineering
- Novel Approaches to Design and Validation
- Testing
- Internet/Mobile Code/Security
- Computer Supported Cooperative Work
- Are Methods Really Useful?
- Component-Based Software Engineering
- Critical Issues in Software Evolution
- Computing and Communication in the Age of Mobility
- Formal Methods in 21st Century (Tentative)
- Are New-Generation Architecture Description Language Useful?

Joint Workshops: April 20-22, 24-25

- IWSSD-9 (9th Int'l Workshop on Software Specification and Design)
- ISORC'98 (Int'l Symposium on Object-oriented Real-time Distributed Computing)
- PDSE'98 (Int'l Symp. on Software Engineering for Parallel and Distributed systems)
- Int'l Workshop on the Principle of Software Evolution
- Int'l Workshop on Component-Based Software Engineering
- Int'l Workshop on Aspect-Oriented Programming
- Software Engineering over the Internet
- Engineering Hypertext for Future Information Systems
- PSMT (Workshop on Precise Semantics for Software Modeling Techniques)
- Workshop on Human Dimensions in Successful Software Development
- IWSEE5 (Int'l Workshop on Software Engineering Education)
- MSE'98 (Int'l Workshop on Multimedia Software Engineering)
- Int'l Workshop on Computing and Communication in the Presence of Mobility

Lessons and Status Reports: April 22-24

The reports will provide software engineers and managers with:

- insights that can be adapted and applied within their own work practices and organizations;
- information on the activities of software engineering practitioners doing innovative and potentially influential work;
- information on software engineering activities which form the basis for future generations of software engineering tools, techniques and management.

Posters and Research Demonstrations: April 22-24

Posters and Research Demonstrations provide an excellent opportunity to show late-breaking results and to discuss the results with the conference participants. Interactive communication and demonstration will be the most exciting and powerful presentation.

Asia Pacific Forum: April 20

ICSE98 provides an opportunity for exchanging ideas and/or information for researchers and practitioners in Asia-Pacific Region. At ICSE17 in Seattle 1994, we had a workshop on "Asian Approaches to Software Engineering". It was very successful. We are planning to have a similar event in Kyoto. And it will also be possible to implement other plans such as to have a forum to discuss emerging Asian software markets, or for special exhibits of software engineering tools made in Asia.

Doctoral Symposium: April 21

The ICSE 98 Doctoral Symposium is a one day workshop prior to the regular ICSE technical conference. The goal of the doctoral symposium is to publicly discuss research goals, methods, and results at an early stage of Ph.D. research and provide useful guidance for completion of the dissertation research. We are expecting participants coming from America, Europe, Asia-Pacific and all over the world.

ICSE98 EXPO: April 21-24

The Exhibit offers commercial exhibit space to vendors as well as research exhibit space for products by academic and government research laboratories. There are two types of exhibits:

- Commercial products from vendors.
- Research products from academia, industrial research laboratories, and government laboratories.

Some exhibit space remains, and applications will be accepted on a first-come first-served basis.

Welcome to Kyoto in Cherry Blossom Season

Spring of Kyoto is the glorious season having extremely beautiful cherry blossoms lining in the city. See you in Kyoto in cherry blossom season!

For detail information and registration, check
<http://icse98.aist-nara.ac.jp/>

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