Automated Software Engineering – ASE'2001

16th IEEE International Conference

November 26–29, 2001, San Diego, USA

Abstracts due: June 22, 2001; Papers due: June 29, 2001

Latest information: `http://ase.informatik.uni-essen.de`

Call for Papers

The IEEE International Conference on Automated Software Engineering brings together researchers and practitioners to share ideas on the foundations, techniques, tools, and applications of automated software engineering technology. Both automatic systems and systems that support and cooperate with people are within the scope of the conference, as are models of software and software engineering activities. ASE'2001 encourages contributions describing basic research, novel applications, and experience relevant to automating software engineering activities. Solicited topics include, but are not limited to:

- Automated reasoning techniques
- Automated software specification
- Automated software design and synthesis
- Category and Graph -theoretic approaches
- Computer-supported cooperative work
- Domain modeling and meta-modeling
- Human computer interaction
- Knowledge acquisition
- Maintenance and evolution
- Modeling language semantics
- Ontologies and methodologies
- Process and workflow management
- Program understanding
- Re-engineering
- Reflection- and Metadata approaches
- Requirements engineering
- Reuse
- Software architectures
- Testing
- Tutoring, help, documentation systems
- Verification and validation

Research in these areas and other more general areas (such as Computer-Human Interaction and Artificial Intelligence) with a clear focus on software engineering will be considered within the conference scope. The ASE on-line Bibliography serves as a reference for potential contributors: http://www.cs.vassar.edu/faculty/welty/ase/

The IEEE International Conference on Automated Software Engineering was formerly known as the Knowledge-Based Software Engineering Conference. In conjunction with the name change, in 1997 the conference expanded to encourage worldwide participation and to reach other scientific communities concerned with formal methods, partial evaluation, process support, human-computer interface support, requirements engineering, reverse engineering, testing, and verification & validation, while still including an active AI and Knowledge Based component.

Accepted papers will be published in the conference proceedings, by IEEE Computer Society Press. In addition, authors of a selection of papers from the conference will be invited to revise and re-submit their papers for consideration for a special issue of the Journal of Automated Software Engineering (Kluwer). ASE'2001 will also include invited talks, tutorials, panel discussions, a doctoral symposium, and project demonstrations, for which separate calls for participation will be issued.

Papers should not exceed 6000 words, with full-page figures counting as 300 words. Papers exceeding the length restriction will not be reviewed. Papers will be reviewed by at least three programme committee members. All papers, especially application papers and experience reports, should clearly identify their novel contributions. See the conference website for detailed guidelines.

All papers should be submitted electronically in PDF format, on or before **June 29th, 2001**. Information regarding electronic submission can be found at http://ase.informatik.uni-essen.de soon. In addition, a single hardcopy should be mailed to Martin Feather at the address below; it serves as a backup should printing problems occur, and it may arrive later than the electronic submission date. To expedite the review process, each paper's title, authors, abstract, keywords, and contact author's email address should be submitted by **June 22nd, 2001**.