2nd Call for Papers

PAPM-ProbMiV 2002
a workshop affiliated to FLOC 2002

2nd Joint International Workshop
on
Process Algebra and Performance Modelling
and
Probabilistic Methods in Verification

July 25/26, 2002, Copenhagen, Denmark

URL http://fmt.cs.utwente.nl/ppmv02/

Aim and Scope

The second Joint International PAPM-ProbMiV workshop addresses researchers facing probabilistic phenomena or developing probabilistic methods in the design and analysis of software and hardware systems, be it as a means to derive efficient algorithms (e.g., randomization), as a model for unreliable or unpredictable behavior (as in the study of fault-tolerant systems and computer networks), and as a tool to design and study performance and dependability properties.

The central aim of the workshop is to increase the cross-fertilisation of ideas and techniques between areas that are usually not in regular contact through conferences. Suggested, but not exclusive, topics of interest for the workshop include:

- Specification, models and semantics of probabilistic systems – including but not limited to Petri nets, process algebras, probabilistic automata, probabilistic logics, probabilistic program semantics, probabilistic extensions of temporal and modal logics, automata-based models and specification methods, and specialized techniques for the specification of performance and reliability properties.
- Analysis and verification techniques for probabilistic systems – such as performance and reliability analysis, numerical algorithms, proof techniques, model-checking, dynamic programming, symbolic methods, compositional and modular techniques, and the interplay between functional (non-probabilistic) and probabilistic analysis.
- Probabilistic methods for the verification of non-probabilistic systems.
- Tools and case studies.

Important Dates

- **Paper Submission Deadline**: March 1, 2002
- **Notification of Acceptance**: April 23, 2002
- **Camera Ready Version due**: May 23, 2002
- **Dates of Workshop**: July 25/26, 2002

FLOC 2002 URL
http://www.flloc02.diku.dk

Invited Speakers

DAVID SANDS (Chalmers University, Sweden) - ANDRE SCHIPER (EPFL Lausanne, Switzerland)

Submissions

Paper submissions should present original research, described in sufficient detail to assess the merits and relevance of the contribution. The results must be unpublished and not submitted for publication elsewhere. Tool papers should describe a tool that has already been implemented. The deadline for submission is **March 1, 2002**. The submissions should not exceed sixteen (16) pages, formatted according to the LNCS style. Submissions departing significantly from these guidelines risk rejection. The address, telephone number, and email address of the corresponding author should be indicated on the submission. One author of each accepted paper will be expected to present it at the workshop.

Paper submission will be electronic via the PAPM-ProbMiV URL http://fmt.cs.utwente.nl/ppmv02/. Submission will be open starting February 21, 2002.

The workshop proceedings will be published by Springer Verlag as a *Lecture Notes in Computer Science* volume. The proceedings of the 1st joint international PAPM-ProbMiV workshop have appeared as volume 2165 in this series.

Further information

Further information can be obtained via the web sites of FLOC and PAPM-ProbMiV, or via email from the PC co-chairs (hermanns@cs.utwente.nl, segala@sci.univr.it).