Welcome to PNPM 2003, the International Workshop on Petri Nets and Performance Models! This is the tenth workshop in the PNPM series, which began in Torino in 1985 and has since traveled around the globe to sites in Japan, Australia, France, Spain, Germany, and the United States. This year, PNPM is being hosted at the University of Illinois at Urbana-Champaign, Illinois, USA, under the umbrella of the 2003 Illinois International Multiconference on Measurement, Modelling, and Evaluation of Computer-Communication Systems. In addition to PNPM 2003, the Multiconference includes the International Conference on the Numerical Solution of Markov Chains (NSMC’03), the 6th International Workshop on Performability Modeling of Computer and Communications Systems (PMCCS-6), and Performance TOOLS 2003 (the 13th International Conference on Modelling Techniques and Tools for Computer Performance Evaluation).

The PNPM workshop covers the theory and use of timed and stochastic Petri nets (T/SPNs) and related models for the temporal and probabilistic analysis of systems. 25 papers were submitted. All of the papers were reviewed by 3 to 5 people, including program committee members and other experts selected by program committee members or chairs. As a result of the process, 13 regular papers, representing a broad range of topics within the scope of the workshop, are being presented this year. Additionally, through PNPM’s affiliation with the Multiconference, attendees will be able to view demonstrations of a wide spectrum of state-of-the-art tools, and will have a series of four excellent tutorial sessions to choose from. We are particularly pleased to have as our keynote speaker Jean Peccoud of Pioneer Hi-Bred International, Inc., whose paper with Kent Vander Velden, “Modeling Networks of Molecular Interactions in the Living Cell: Structure, Dynamics, and Applications,” reflects innovative work on modeling biological systems. This work is especially timely, since a growing number of computational biologists are using nets as a modeling formalism, and the large-scale and multi-timescale nature of such models makes them especially hard to solve.

It would not be possible to present a workshop of this quality without the dedication of many people. We would like to take this opportunity to thank the 34 distinguished members of our program committee, as well as the outside reviewers who contributed their time and expertise to this year’s workshop. We would also like to thank our colleagues in the other component conferences of the Multiconference, with whom we have cooperated to develop a strong, multifaceted program that covers the broad spectrum of methodologically-driven performance evaluation research going on today. Four individuals we wish to single out are Falko Bause, who coordinated the tool presentations and demonstrations for the entire Multiconference; Aad van Moorsel, who organized the tutorial sessions; Jenny Applequist, who handled local arrangements; and Tod Courtney, who managed the web-based submission and review process. We would also like to thank Joan Weakland for her help in designing the cover of these proceedings. We are also grateful to the Coordinated Science Laboratory at the University of Illinois, which provided financial support for the Multiconference and will house the majority of the sessions.

We believe that you will find this year’s program exciting and thought-provoking, and hope that you will benefit from the many perspectives and ideas represented at the Multiconference.

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