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Susanna Donatelli Jetty Kleijn (Eds.)

# Application and Theory of Petri Nets 1999

20th International Conference, ICATPN'99  
Williamsburg, Virginia, USA, June 21-25, 1999  
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# Preface

This volume contains the proceedings of the 20th International Conference on Application and Theory of Petri Nets. The aim of the Petri net conferences is to create a forum for the dissemination of the latest results in the application and theory of Petri nets. Typically there are some 150-200 participants and usually one third of these come from industry, while the rest are from universities and research institutions. The conferences and a number of other activities are coordinated by a steering committee formed by: G. Balbo (Italy), J. Billington (Australia), C. Girault (France), K. Jensen (Denmark), S. Kumagai (Japan), G. De Michelis (Italy), T. Murata (U.S.A.), C.A. Petri (Germany; honorary member) W. Reisig (Germany), G. Roucairol (France), G. Rozenberg (The Netherlands; chair), M. Silva (Spain).

The 1999 Petri net conference took place in Williamsburg, Virginia, and was organized by the Department of Computer Science of The College of William and Mary, Williamsburg. This was the second time the conference had been organized in the United States. We received 45 submissions from 15 countries on 5 continents of which 21 accepted for presentation. The submitted papers were evaluated by a program committee with the following members: W. van der Aalst (The Netherlands), P. Azema (France), W. Brauer (Germany), S. Christensen (Denmark), A. Desrochers (U.S.A.), S. Donatelli (Italy; co-chair), C. Girault (France), L. Gomes (Portugal), J. Hillston (United Kingdom), E. Kindler (Germany), H.C.M. Kleijn (The Netherlands; co-chair), S. Kumagai (Japan), C. Lakos (Australia), A. Levis (U.S.A.), J. Lilius (Finland), T. Murata (U.S.A.), G. Nutt (U.S.A.), K. Onaga (Japan), W. Penczek (Poland), L. Pomello (Italy), W. Sanders (U.S.A.), M. Silva (Spain), D. Simpson (United Kingdom), P.S. Thiagarajan (India), K. Trivedi (U.S.A.), R. Valette (France), R. Valk (Germany), A. Yakovlev (United Kingdom), W. Zuberek (Canada). The meeting of the program committee took place in Leiden, The Netherlands. In addition to the submitted contributions, there were three invited lectures by P. Varaiya (U.S.A.), B.H. Krogh (U.S.A.), and G. De Michelis (Italy). Other activities before and during the conference included a work-in-progress session, tool presentations and demonstrations, extensive introductory tutorials, two advanced tutorials on Performance Analysis and on Distributed Algorithms, and two workshops on Hardware Design and Petri Nets and on Applications of Petri Nets to Intelligent System Development.

We would like to express our gratitude to all authors of submitted papers and to the members of the program committee and the referees assisting them in providing almost 200 referee reports. We thank M. Boon-van der Nat and D. Costa for their efficient secretarial support. We greatly appreciate the efforts of the organizing committee in Williamsburg, G. Ciardo (chair), E. Smirni, D.S. Noonan, and M.D. Maurer. Also the excellent cooperation with A. Hofmann of Springer-Verlag is gratefully acknowledged.

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