

Cevdet Aykanat
Tuğrul Dayar
İbrahim Körpeoğlu (Eds.)

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19th International Symposium
Kemer-Antalya, Turkey, October 2004
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Preface

The series of ISCIS (International Symposium on Computer and Information Sciences) symposia have been held each year since 1986, mostly in Turkey and occasionally abroad. It is the main computer science and engineering meeting organized by Turkish academics and was founded by Erol Gelenbe. Each year ISCIS attracts a significant number of international participants from all over the world. The 19th ISCIS was organized by Bilkent University, Department of Computer Engineering, and was held in Kemer-Antalya, Turkey during 27–29 October 2004.

For ISCIS 2004, a total of 335 papers went through the review process and a large number of high-quality papers competed for acceptance. This volume of the Springer Lecture Notes in Computer Science (LNCS) series contains 100 of those papers that broadly fall into the following areas of interest: artificial intelligence and machine learning, computer graphics and user interfaces, computer networks and security, computer vision and image processing, database systems, modeling and performance evaluation, natural language processing, parallel and distributed computing, real-time control applications, software engineering and programming systems, and theory of computing.

The symposium contained three invited talks. The first talk titled “An Approach to Quality of Service” was given by Erol Gelenbe of Imperial College London. The second talk titled “Modeling Assumptions in Mobile Networks” was given by Satish Tripathi of State University of New York at Buffalo. The third talk titled “Combinatorial Scientific Computing: The Role of Computer Science Algorithms in Scientific Simulation” was given by Bruce Hendrickson of Sandia National Laboratories. The symposium also contained the following special sessions: Advanced Real-Time Applications, All Optical Networks, Component-Based Distributed Simulation, Mobile Agents: Mechanisms and Modeling, and Performance Evaluation of Complex Systems.

ISCIS 2004 would not have taken place without the contributions of many people. We first thank the 60 program committee (PC) members who did an excellent job in publicizing the symposium and in helping to attract a large number of high-quality submissions. We thank all the authors who contributed papers. We especially acknowledge the time and efforts of Maria Carla Calzarossa, Ivo De Lotto, Jean-Michel Fourneau, Jane Hillston, Giuseppe Iazeolla, and Salvatore Tucci that went into organizing special sessions. We are also very much grateful to the PC members and the external referees who provided thorough reviews in a short time frame.

Among the people who contributed locally, we thank Selim Çıracı for setting up the Web server used in the submission process, and Barla Cambazoglu and Bora Uçar for, among other things, their meticulous work in the proof reading process.

We greatly appreciate the financial support from the Scientific and Technical Research Council of Turkey (TÜBİTAK) and the Turkey Section of the Institute of Electrical and Electronics Engineers (IEEE) that was used towards the costs of printing, inviting speakers, and registering local IEEE members.

Finally, we thank all who contributed to the planning and realization of the symposium.

October 2004

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