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Preface

This proceedings volume includes papers presented at DGCI 2003 in Naples, Italy, November 19–21, 2003. DGCI 2003 was the 11th conference in a series of international conferences on Discrete Geometry for Computer Imagery. The conference was organized by the Italian Institute for Philosophical Studies, Naples and the Institute of Cybernetics "E. Caianiello," National Research Council of Italy, Pozzuoli (Naples). DGCI 2003 was sponsored by the International Association for Pattern Recognition (IAPR).

This is the second time the conference took place outside France. The number of researchers active in the field of discrete geometry and computer imagery is increasing. Both these factors contribute to the increased international recognition of the conference. The DGCI conferences attract more and more academic and research institutions in different countries. In fact, 68 papers were submitted to DGCI 2003. The contributions focus on discrete geometry and topology, surfaces and volumes, morphology, shape representation, and shape analysis. After careful reviewing by an international board of reviewers, 23 papers were selected for oral presentation and 26 for poster presentation. All contributions were scheduled in plenary sessions. In addition, the program was enriched by three lectures, presented by internationally well-known invited speakers: Isabelle Bloch (École Nationale Supérieure des Télécommunications, France), Longin Jan Latecki (Temple University, USA), and Ralph Kopperman (City College of New York, USA).

In 2002, a technical committee of the IAPR, TC18, was established with the intention to promote interactions and collaboration between researchers working on discrete geometry. The first TC18 meeting was planned to be held in conjunction with DGCI 2003, to allow the members to discuss the activity of the technical committee. The outcome from this meeting will help the ongoing research and communication for researchers active within the field during the 18 months between the conferences.

We hope that we made DGCI 2003 an unforgettable event where researchers gathered for fruitful discussions and enjoyable social activities, both categories providing stimuli for researchers.

Hereby, we would like to thank the contributors who responded to the call for papers in a very positive manner, the invited speakers, all reviewers and members of the steering, program, and local organizing committees, as well as DGCI participants. We are also grateful to Regione Campania for the financial help, indispensable to guarantee a successful conference.

September 2003

Ingela Nyström
Gabriella Sanniti di Baja
Stina Svensson

Organization

DGCI 2003 was organized by the Institute of Cybernetics "E. Caianiello" of the National Research Council of Italy and by the Italian Institute for Philosophical Studies. The conference venue was the Italian Institute for Philosophical Studies. The conference was sponsored by the International Association for Pattern Recognition (IAPR).

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