

Panayiotis Bozanis  
Elias N. Houstis (Eds.)

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# Advances in Informatics

10th Panhellenic Conference on Informatics, PCI 2005  
Volos, Greece, November 2005  
Proceedings

 Springer

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# Preface

This volume contains a subset of the papers presented at the 10th Panhellenic Conference in Informatics (PCI 2005), which took place at the City of Volos, Greece, during November 11–13, 2005.

After an international call for papers, 252 full papers were submitted. The number of the submitted papers constitutes a record number for the conference and reveals its growing dynamics. The authors represented universities and institutes from the following countries: Algeria, Bulgaria, China, Cyprus, Czech Republic, Finland, Greece, The Netherlands, Hungary, Italy, Japan, Korea, The Kingdom of Saudi Arabia, Lebanon, Lithuania, Malaysia, Poland, Romania, Spain, Taiwan, Turkey, Ukraine, UK, and USA. Of the submitted papers, 81 were accepted for inclusion in this volume, giving an acceptance ratio of approximately 32.2%. The papers are classified into 17 thematic sections as follows:

- data bases and data mining
- algorithms and theoretical foundations
- cultural and museum information systems
- Internet-scale software/information systems
- wearable and mobile computing
- computer graphics, virtual reality and visualization
- AI, machine learning and knowledge bases
- languages, text and speech processing
- bioinformatics
- software engineering
- educational technologies
- e-business
- computer and sensor hardware and architecture
- computer security
- image and video processing
- signal processing and telecommunications
- computer and sensor networks

We would like to thank all the Program Committee members and the additional reviewers for devoting time, effort and expertise so bounteously. Athanasios Fevgas and Manos Koutsoumbelias at the University of Thessaly deserve much credit for setting up and managing the conference website and the Web-based paper reviewing system. Furthermore, Chryssa Grantza, Mary Karasimou, Eleni Tsitsigianni and Eleni Syrivelis merit special thanks for their contribution towards preparing and organizing the conference. Last but not least, we would like to express our gratitude to the Rector of the University of Thessaly, Prof. Constantinos Bagiatis for hosting the conference and to our sponsors for their generous support.

November 2005

Panayiotis Bozanis, Elias Houstis

# Organization

The Greek Computer Society (EPY) and the Department of Computer and Communication Engineering of the University of Thessaly organized the 10th Panhellenic Conference on Informatics (PCI 2005) at Volos, Greece, during 11–13 of November 2005.

PCI is a biennial event established by EPY. The 1st conference took place in Athens (1984), the 2nd in Thessaloniki (1988), the 3rd in Athens (1991), the 4th in Patras (1993), the 5th in Athens (1995), the 6th in Athens (1997), the 7th in Ioannina (1999), the 8th in Nicosia/Cyprus (2001), and the 9th in Thessaloniki (2003).

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