

Preface

The AMDO 2000 workshop took place at the Universitat de les Illes Balears (UIB) on 7–9 September 2000, sponsored by the International Association for Pattern Recognition Technical Committee, the European Commission by Human Potential Program: High Level Scientific Conferences and the Mathematics and Computer Science Department of UIB. The subject of the workshop was ongoing research in articulated motion on the sequence of images and sophisticated models for deformable objects. The goals of these areas are to understand and interpret object motion around complex objects that we can find in sequences of images in the real world. These topics (geometry and physics of deformable models, motion analysis, articulated models and animation, visualization of deformable models, 3D recovery from motion, single or multiple human motion analysis and synthesis, applications of deformable models and motion analysis, etc.) are interesting examples of how research can be used to solve more general problems. Another objective of this workshop was to relate fields using computer graphics, computer animation or applications in several disciplines combining synthetic and analytical images. In this regard it is of particular interest to encourage links between researchers in areas of computer vision and computer graphics who have common problems and frequently use similar techniques. The workshop included four sessions of presented papers and two tutorials. Invited speakers treating various aspects of the topics were: Y. Aloimonos from the Computer Vision Laboratory, Center for Automation Research, University of Maryland, USA, G. Medioni from the Institute for Robotics and Intelligent Systems, University of Southern California, USA, and R. Boulic, Adjoint scientifique from the Swiss Federal Institute of Technology Lausanne, Switzerland.

September 2000

H.-H. Nagel and F. J. Perales
Program Co-Chairs
AMDO 2000

Organization

AMDO 2000 is organized by the department of Math and Computer Science, Universitat de les Illes Balears (UIB) in cooperation with IAPR (International Association for Pattern Recognition).

Program Committee

- General Workshop Co-Chairs: H.-H. Nagel, Institut für Algorithmen und Kognitive System, Karlsruhe (Germany)
F. J. Perales, Computer and Math Science Department UIB (Spain)
- IAPR TC4 Chair: E. R. Hancock, Department of Computer Science, University of York (UK)
- Organizing Chairs: M. Gonzalez, A. Igelmo, R. Mas, P. M. Mascaró, A. Mir, P. Palmer, F. J. Perales, J. Rocha, UIB (Spain)
- Tutorial Chairs: R. Mas, F. Perales UIB, (Spain)

Referees

Aloimonos, Y.	University Mariland, USA
Aggarwal, J. K.	University of Texas, USA
Amengual, A.	Universitat Illes Balears, UIB, Spain
Badler, N. I.	University of Pennsylvania, USA
Boulic, R.	EPFL, Switzerland
Cipolla, R.	Univ. of Cambrige, UK
Crowley, J.	INRIA Rhone Alpes, France
Davis, L. S.	Univ. of Maryland, USA
Del Bimbo, A.	Univ. di Firenze, Italy
Gong, S.	QM & Westfield Coll, UK
Hancock, E. R.	University of York UK
Igelmo, A.	Universitat Illes Balears, UIB, Spain
Kittler, J.	Univ. Surrey, UK
Kunii, T. L.	University of Hosei, Japan
Metaxas, D.	Univ. of Pennsylvania, USA
Nagel, H.-H.	Institut für Algorithmen und Kognitive System, Karlsruhe, Germany
Nastar, C.	INRIA Roquercourt, France
Navazo, I.	UPC, Spain
Poggio, T.	MIT, USA
Sanfeliu, A.	IRI, CSIC-UPC, Spain
Seron, F.	Univ. of Zaragoza, Spain
Shirai, Y.	Univ of Osaka, Japan
Terzopoulos, D.	Univ. of Toronto, Canada
Teixeira, J. C.	FCTUC, Portugal
Thalmann, D.	EPFL, Switzerland
Thalmann, Nadia	M. Univ. of Geneve, Switzerland
Villanueva, J. J.	UAB-CVC, Spain

Sponsoring Institutions

IAPR (International Association for Pattern Recognition)
 European Commission by Human Potential Program: High Level Scientific Conferences
 Mathematics and Computer Science Department, Universitat de les Illes Balears (UIB)

<http://www.springer.com/978-3-540-67912-7>

Articulated Motion and Deformable Objects

First International Workshop, AMDO 2000 Palma de
Mallorca, Spain, September 7-9, 2000 Proceedings

Nagel, H.-H.; Perales Lopez, F.J. (Eds.)

2000, IX, 187 p., Softcover

ISBN: 978-3-540-67912-7