

Preface

The AMDO 2002 workshop took place at the Universitat de les Illes Balears (UIB) on 21–23 November, 2002, sponsored by the International Association for Pattern Recognition (IAPR), AERFAI (Spanish Association for Pattern Recognition and Image Analysis), the CICYT (Comision Interministerial de Ciencia y Tecnologia, Spanish Government), the European Commission (Human Potential Programme: High Level Scientific Conferences), and the Mathematics and Computer Science Department of the UIB. In addition, Egse (Eurographics Spanish Chapter) helped with dissemination and promotion. The subject of the workshop was ongoing research in articulated motion on a sequence of images and sophisticated models for deformable objects. The goals of these areas are to understand and interpret the motion of complex objects that can be found in sequences of images in the real world. These topics (geometric and physically 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, face tracking, recovering and recognition models, etc.) are actually very interesting ways of organizing important research 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 five sessions of presented papers and two tutorials. Invited talks treating various aspects of the topics were: Haptic-based Deformable Solid of Arbitrary Topology, by Prof. H. Qin from the State University of New York at Stony Brook (USA); Passive 3D Human Motion Capture: Vision-Based Tracking Meets Computer Animation, by Prof. I. Kakadiaris from Houston University (USA); and Recovering Non-rigid 3D Shape Using a Plane+Parallax Approach, by Prof. N. Perez de la Blanca from the University of Granada (Spain).

November 2002

F.J. Perales, E.R. Hancock
Program Co-Chairs

Organization

AMDO 2002 was organized by the Department of Mathematics and Computer Science, Universitat de les Illes Balears (UIB) in cooperation with IAPR (International Association for Pattern Recognition) and AERFAI (Spanish Association for Pattern Recognition and Image Analysis).

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Articulated Motion and Deformable Objects

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