Preface

Computer Vision has now reached a level of maturity that allows us not only to perform research on individual methods but also to build fully integrated computer vision systems of a significant complexity. This opens up a number of new problems related to architectures, systems integration, validation of systems using benchmarking techniques, and so on. So far, the majority of vision conferences have focused on component technologies, which has motivated the organization of the First International Conference on Computer Vision Systems (ICVS). It is our hope that the conference will allow us not only to see a number of interesting new vision techniques and systems but hopefully also to define the research issues that need to be addressed to pave the way for more wide-scale use of computer vision in a diverse set of real-world applications.

ICVS is organized as a single-track conference consisting of high-quality, previously unpublished, contributed papers on new and original research on computer vision systems. All contributions will be presented orally. A total of 65 papers were submitted for consideration by the conference. All papers were reviewed by three reviewers from the program committee. Thirty-two of the papers were selected for presentation.

ICVS'99 is being held at the Alfredo Kraus Auditorium and Convention Centre, in Las Palmas, on the lovely Canary Islands, Spain. The setting is spring-like, which seems only appropriate as the basis for a new conference.

I would like to thank all the members of the program committee for their help in the reviewing process. It is their competence and hard work which has enabled the organizing committee to put together a high-quality conference.

I would like to thank our sponsors: the Spanish Ministry of Education, Cabildo de Gran Canaria, Excmo. Ayuntamiento de Las Palmas de Gran Canaria, University of Las Palmas de Gran Canaria, El Corte Ingles, and the EU TMR Networks SMART-II and CAMERA. Without their support this conference would not have been possible. I would also like to thank Springer-Verlag in Heidelberg, for their support of this conference through the proceedings.

Finally, I would like to thank member of the Computer Vision and Active Perception group and especially Emma Gniuli and Jan-Olof Eklundh for their never ending patience and support.

I wish all participants a successful and inspiring conference and a pleasant stay on the Canary Islands.

October 1998

Henrik Iskov Christensen
Program Chair
ICVS'99

Organization

Organizing Commitee

Conference Chair: James L. Crowley (INPG, Grenoble, F)
Program Chair: Henrik I. Christensen (KTH, Sweden)
Local Chair: Jorge Cabrera (ULP, Spain)
Publication: Claus S. Andersen (Aalborg University, DK)

Program Committee

Claus S. Anderssen, (AAU)
Ruzena Bajcsy, (UPENN)
Aaron Bobeck, (MIT)
Kevin Bowyer, (USF)
Chris Brown, (Rochester)
Jorge Cabrera, (ULP)
Henrik I. Christensen (KTH)
Patrick Courtney (Visual Automation)
James L. Crowley, (INPG)
Ernst Dickmann, (UBW)
Rudiger Dillmann, (Karlsruhe)
Bruce Draper, (Colarado)
Jan-Olof Eklundh, (KTH)
Robert Fisher (Edinburgh)
Catherine Garbay (IMAG)
Erik Granum, (AAU)
Domingo Guinea (IAI)

Hirochika Inoue, (Univ. of Tokyo)
David Kortenkamp, (JSC, NASA)
Kurt Konolige, (SRI)
Claus Madsen, (AAU)
Bernd Neumann, (Hamburg)
Ehud Rivlin, (Technion)
Giulio Sandini, (Univ Genoa)
Bernt Schiele, (MIT)
Chris Taylor, (Univ. of Manchester)
Mohan Trivedi, (UCSD)
John Tsotsos, (Toronto)
David Vernon, (Maynooth College)
Jose Santos Victor (IST, Lisbon)
Thierry Vieville, (INRIA)
Jordi Vitria (Barcelona)

Sponsoring Institutions

Spanish Ministry of Education
Cabildo de Gran Canaria
Excmo. Ayuntamiento de Las Palmas de Gran Canaria
University of Las Palmas de Gran Canaria
The TMR Network SMART-II
The TMR Network CAMERA
El Corte Ingles