Preface

We are proud to present the DAGM 2002 proceedings, which are the result of the efforts of many people.

First, there are the many authors, who have submitted so many excellent contributions. We received more than 140 papers, of which we could only accept about half in order not to overload the program. Only about one in seven submitted papers could be delivered as an oral presentation, for the same reason. But it needs to be said that almost all submissions were of a really high quality.

This strong program could not have been put together without the support of the Program Committee. They took their responsibility most seriously and we are very grateful for their reviewing work, which certainly took more time than anticipated, given the larger than usual number of submissions.

Our three invited speakers added a strong multidisciplinary component to the conference. Dr. Antonio Criminisi of Microsoft Research (Redmond, USA) demonstrated how computer vision can literally bring a new dimension to the appreciation of art. Prof. Philippe Schyns (Dept. of Psychology, Univ. of Glasgow, UK) presented intriguing insights into the human perception of patterns, e.g., the role of scale. Complementary to this presentation, Prof. Manabu Tanifuji of the Brain Science Institute in Japan (Riken) discussed novel neurophysiological findings on how the brain deals with the recognition of objects and their parts.

Last, but not least, I want to thank the many members of my research team who made DAGM 2002 possible: Jutta Spanzel, Vreni Vogt, and Corinna Jurr-Anderson for handling administrative issues such as the registration process; Petr Doubek handled the paper submissions; Petr Doubek, Andreas Griesser, and Andreas Turina took care of the websites; and Mattieu Bray and Jutta Spanzel took care of accommodation a and catering issues. As DAGM came closer several other members of our group contributed greatly as well. Thanks!

To the readers of these proceedings, enjoy!

June 2002   Luc Van Gool

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DAGM e.V.: German Association for Pattern Recognition

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Since 1978 the DAGM (German Association for Pattern Recognition) has staged annually at different venues a scientific symposium with the aim of considering conceptual formulations, ways of thinking, and research results from different areas in pattern recognition, to facilitate the exchange of experiences and ideas between the experts, and to stimulate the young generation.

The DAGM e.V. was founded as a registered society in September 1999. Until then the DAGM had been constituted from supporter societies which have since been honorary members of the DAGM e.V.:

DGaO   Deutsche Arbeitsgemeinschaft für angewandte Optik (German Society of Applied Optics)

GMDS   Deutsche Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie (German Society for Medical Informatics, Biometry, and Epidemiology)

GI   Gesellschaft für Informatik (German Informatics Society)

ITG   Informationstechnische Gesellschaft (Information Technology Society)

DGN   Deutsche Gesellschaft für Nuklearmedizin (German Society of Nuclear Medicine)

IEEE   Deutsche Sektion des IEEE (The Institute of Electrical and Electronics Engineers, German Section)

DGPF   Deutsche Gesellschaft für Photogrammetrie und Fernerkundung

VDMA   Fachabteilung industrielle Bildverarbeitung/Machine Vision im VMDA (Robotics + Automation Division within VDMA)

GNNS   German Chapter of the European Neural Network Society

DGR   Deutsche Gesellschaft für Robotik