

Preface

This volume presents the proceedings of the 10th International Conference on Computer Analysis of Images and Patterns (CAIP 2003). This conference series started about 18 years ago in Berlin. Initially, the conference served as a forum for meetings between scientists from Western- and Eastern-bloc countries. Nowadays, the conference attracts participants from all over the world. The conference gives equal weight to posters and oral presentations, and the selected presentation mode is based on the most appropriate communication medium. The programme follows a single-track format, rather than parallel sessions. Non-overlapping oral and poster sessions ensure that all attendees have the opportunity to interact personally with presenters.

As for the numbers, we received a total of 160 submissions. All papers were reviewed by two to three members of the Programme Committee. The final selection was carried out by the Conference Chairs. Out of the 160 papers, 42 were selected for oral presentation and 52 as posters. At this point, we wish to thank the Programme Committee and additional referees for their timely and high-quality reviews. The paper submission and review procedure was carried out electronically. We thank Marcin Morgós from Scalar-IT Solutions for providing us with the Web-based participant registration system. We also thank the invited speakers Nicholas Ayache, John Daugman, and Darius Gavrilă, for kindly accepting our invitation.

CAIP 2003 was organized by the Institute of Mathematics and Computing Science, University of Groningen, and took place in the University Hospital. We hope that the conference proved to be a stimulating experience, and that you had an enjoyable stay in the nice city of Groningen.

August 2003

Nicolai Petkov
Michel A. Westenberg

Organization

CAIP 2003

10th International Conference on Computer Analysis of Images and Patterns
Groningen, The Netherlands, August 25–27, 2003

Chair

Nicolai Petkov

University of Groningen, The Netherlands

Co-chair

Michel A. Westenberg

University of Groningen, The Netherlands

Steering Committee

Reinhard Klette

The University of Auckland, New Zealand

Nicolai Petkov

University of Groningen, The Netherlands

Władysław Skarbek

Warsaw University of Technology, Poland

Franc Solina

University of Ljubljana, Slovenia

Gerald Sommer

Christian-Albrechts-University of Kiel,
Germany

Local Organizing Committee

Cosmin Grigorescu

Simona Grigorescu

Nicolai Petkov

Michel A. Westenberg

Michael Wilkinson

Alle Meije Wink

University of Groningen, The Netherlands

Program Committee

Ronen Basri

Weizmann Institute of Science, Israel

Gunilla Borgefors

University of Uppsala, Sweden

Horst Bunke

University of Bern, Switzerland

Dmitry Chetverikov

Hungarian Academy of Sciences, Hungary

Luigi Cordella

University of Naples "Federico II," Italy

Kostas Daniilidis

University of Pennsylvania, Philadelphia, USA

Alberto Del Bimbo

University of Florence, Italy

Rachid Deriche

INRIA Sophia Antipolis, France

Vito Di Gesu'

University of Palermo, Italy

VIII Organization

Robert Duin	Delft University of Technology, NL
John Eakins	University of Northumbria, UK
Jan-Olof Eklundh	Royal Institute of Technology, Sweden
Luc Florack	Eindhoven University of Technology, NL
Siegfried Fuchs	Dresden University of Technology, Germany
André Gagalowicz	INRIA Rocquencourt, France
Georgy Gimel'farb	University of Auckland, New Zealand
Bart ter Haar Romeny	Eindhoven University of Technology, NL
Václav Hlaváč	Czech Technical University, Czech Republic
John Illingworth	University of Surrey, UK
Atsushi Imiya	Chiba University, Japan
Jean-Michel Jolion	INSA Lyon, France
Reinhard Klette	University of Auckland, New Zealand
Ryszard Kozera	University of Western Australia, Australia
Walter Kropatsch	Vienna University of Technology, Austria
Aleš Leonardis	University of Ljubljana, Slovenia
Stefano Levialdi	Rome University "La Sapienza," Italy
Martin Levine	McGill University, Canada
B.S. Manjunath	University of California, Santa Barbara, USA
Peter Meer	Rutgers University, Piscataway, USA
Heinrich Niemann	University of Erlangen-Nürnberg, Germany
Lyle Noakes	University of Western Australia, Australia
Constantinos Pattichis	University of Cyprus, Cyprus
Petra Perner	ICVACS, Germany
Nicolai Petkov	University of Groningen, The Netherlands
Maria Petrou	University of Surrey, UK
Jos Roerdink	University of Groningen, The Netherlands
Gerhard Sagerer	University of Bielefeld, Germany
Alberto Sanfeliu	Technical University of Catalonia, Spain
Gabriella Sanniti di Baja	CNR, Naples, Italy
Bernt Schiele	ETH Zürich, Switzerland
Christos Schizas	University of Cyprus, Cyprus
Cordelia Schmid	INRIA Rhône-Alpes, France
Nicu Sebe	Leiden University, The Netherlands
Jean Serra	CMM-École des Mines, France
Nils Siebel	University of Kiel, Germany
Władysław Skarbek	Warsaw University of Technology, Poland
Arnold Smeulders	University of Amsterdam, The Netherlands
Pierre Soille	EC Joint Research Centre, Italy
Franco Solina	University of Ljubljana, Slovenia
Gerald Sommer	University of Kiel, Germany
Minsoo Suk	Sung Kyun Kwan University, Republic of Korea
Tieniu Tan	Chinese Academy of Sciences, China
Max Viergever	University Medical Center Utrecht, NL
Juan Villanueva	Computer Vision Center, Barcelona, Spain
Lucas van Vliet	Delft University of Technology, NL

Albert Vossepoel
 Harry Wechsler
 Joachim Weickert
 Michel Westenberg
 Michael Wilkinson
 Konrad Wojciechowski
 Ian Young

Delft University of Technology, NL
 George Mason University, Fairfax, USA
 Saarland University, Germany
 University of Groningen, The Netherlands
 University of Groningen, The Netherlands
 Silesian Technical University, Poland
 Delft University of Technology, NL

Additional Referees

A. Akselrod	F. KanTERS	D. Skocaj
J. Andrade-Cetto	J. Krivic	M. Skurichina
J. Aranda	P. Krsek	R. Sluzek
M. Artac	H. Kruppa	M. Spengler
A. Bagdanov	B. Leibe	V. Stepan
R. Baldrich	J. Lou	T. Tan
M. Bjorkman	C. Luengo Hendriks	F. Tortorella
E. Borenstein	F. Moreno Noguer	M. van Ginkel
S. Bres	C. Neocleous	M. Vanrell
T. Brox	X. Otazu	J. Varona
A. Bruhn	P. Paclik	J. Verges Llahi
J. Cech	J. Palecek	J. Vitria
C. De Stefano	D. Paulus	J. Vogel
R. Duits	P. Peer	L. Wang
J. Edwards	E. Pekalska	Y. Wang
F. Faas	T. Pham	Y. Wexler
J. Goldberger	J. Ren	T. Weyrich
L. Gorelick	B. Rieger	L. Zelnik-Manor
A. Grau	B. Rosenhahn	V. Zyka
M. Jogan	C. Sansone	
P. Juszczak	D. Simakov	

Sponsoring Organizations

Institute of Mathematics and Computing Science, University of Groningen, NL
 International Association for Pattern Recognition (IAPR)
 Scalar-IT Solutions, Poland



Computer Analysis of Images and Patterns

10th International Conference, CAIP 2003, Groningen,

The Netherlands, August 25-27, 2003, Proceedings

Petkov, N.; Westenberg, M.A. (Eds.)

2003, XVIII, 786 p., Softcover

ISBN: 978-3-540-40730-0