

# Preface

This volume presents the articles accepted for the 8th International Conference on Computer Analysis of Images and Patterns (CAIP'99), held in Ljubljana, Slovenia, 1–3 September 1999. The CAIP series of conferences started 14 years ago in Berlin. The series served initially as a forum for meetings between scientists from Western and Eastern-bloc countries. Political circumstances have changed dramatically since the inception of the conference and such contacts are fortunately no longer subject to abstrade. While CAIP conferences are still rooted in Central Europe, they now attract participants from all over the world.

We received 120 submissions, which went through a thorough double blind review process by the program committee members who, had the option of assigning additional reviewers. The final program consists of 47 oral and 27 poster presentations, with authors from 25 different countries. The proceedings also include 2 of the 5 invited lectures given at the conference.

In the name of the steering committee we would like to thank the program committee members and the additional reviewers for their time and efforts. Our thanks also go to the authors for their cooperation and meeting of all deadlines. Most of the communication with the authors and reviewers was done through the World Wide Web. This was made possible by the dedicated work of our conference web master, Bor Prihavec. We thank the International Association for Pattern Recognition for taking CAIP'99 under its wing, the Faculty of Computer and Information Science at University of Ljubljana for hosting the conference, and the industrial and institutional sponsors for giving financial support. Our thanks also go to Springer-Verlag Heidelberg for publishing the CAIP'99 proceedings in the LNCS series. Finally, we thank the local organizers for their commitment, which made the conference possible.

Ljubljana, June 1999

Franc Solina and Aleš Leonardis  
Program Co-Chairs  
CAIP'99

# Organization

CAIP'99 is organized by the Faculty of Computer and Information Science, University of Ljubljana, Slovenia.

## Conference Co-Chairs

Franc Solina, University of Ljubljana, Slovenia

Aleš Leonardis, University of Ljubljana, Slovenia

## Steering Committee

Chair: G. Sommer (Christian-Albrechts-University of Kiel, Germany)

D. Chetverikov (Computer and Automation Research Institute,  
Budapest, Hungary)

V. Hlaváč (Czech Technical University, Prague, Czech Republic)

R. Klette (University of Auckland, New Zealand)

F. Solina (University of Ljubljana, Slovenia)

## Program Committee

S. Ablameyko, Belarus

J. Arnsparng, Denmark

R. Bajcsy, USA

I. Bajla, Slovakia

A. M. Bruckstein, Israel

V. M. Chernov, Russia

D. Chetverikov, Hungary

A. Del Bimbo, Italy

J.-O. Eklundh, Sweden

V. Hlaváč, Czech Republic

J. Kittler, United Kingdom

R. Klette, New Zealand

W. G. Kropatsch, Austria

A. Leonardis, Slovenia (Co-Chair)

R. Mohr, France

M. Schlesinger, Ukraine

W. Skarbek, Poland

F. Solina, Slovenia (Co-Chair)

G. Sommer, Germany

L. Van Gool, Belgium

M. A. Viergever, Netherlands

S. W. Zucker, USA

## Reviewers

Sergey Ablameyko

Jens Arnsparng

Ruzena Bajcsy

Ivan Bajla

Alberto Del Bimbo

Horst Bischof

Alfred M. Bruckstein

Jörg Bruske

Thomas Bülow

Vladimir M. Chernov

Dmitry Chetverikov

Marina A. Chichyeva

Carlo Colombo

Kostas Daniilidis

Jan-Olof Eklundh

Roman Englert	Theo Moons	Władysław Skarbek
James Gee	Jane Mulligan	Gerald Sommer
Roland Glantz	Vladislav Myasnikov	Peter Sturm
Václav Hlaváč	Tomáš Pajdla	Tomáš Svoboda
Josef Kittler	Pietro Pala	William Triggs
Reinhard Klette	Josef Pauli	Tinne Tuytelaars
Reinhard Koch	Franjo Pernuš	Alexander Tuzikov
Stanislav Kovačič	Marc Pollefeys	Luc Van Gool
Walter G. Kropatsch	Long Quan	Maarten Vergauwen
Norbert Krüger	Radim Šára	Enrico Vicario
Jiri Matas	Caterina Saraceno	Max A. Viergever
Roger Mohr	Michail Schlesinger	Steven W. Zucker

## Local Organization

Conference Web Master:	Bor Prihavec
Computing Facilities:	Aleš Jaklič
Local Arrangements:	Bojan Kverh
	Igor Lesjak
	Jasna Maver
	Peter Peer
	Danijel Skočaj

## Sponsoring Organizations and Institutions

International Association for Pattern Recognition (IAPR)  
 Slovenian Pattern Recognition Society  
 IEEE Slovenia Section  
 Ministry of Science and Technology, Republic of Slovenia  
 Hermes SoftLab