

Preface

This volume contains all the papers presented at SSPR 2000 and SPR 2000, held at the University of Alicante, Spain, August 30 – September 1, 2000.

This was the second time these two technical workshops were held back-to-back. SSPR 2000 was the eighth meeting of the international workshop on Structural and Syntactic Pattern Recognition and SPR 2000 was the third international workshop on Statistical Techniques in Pattern Recognition.

These workshops have been traditionally sponsored by two of the most representative technical committees of the International Association of Pattern Recognition (IAPR): the TC2 and TC1, respectively.

A total of 130 papers was received for consideration from almost 40 different countries. Both the submission and the reviewing process were carried out separately for each workshop even though papers were distributed among reviewers in both program committees according to their particular previously expressed interests.

As a result of this “joint” reviewing process, papers were distributed into three categories: SSPR, SPR, and SSSPR. We designed the technical program of the joint workshop according to the accepted papers and five oral sessions were allocated for each of the two first categories and two oral sessions (eight papers) for the third one.

The two poster sessions (one per workshop) were held at the same time and were allocated a large amount of space and time to encourage discussion and interaction among researchers. A total of 52 papers was selected for oral presentation and 35 papers were presented in the two poster sessions. In addition, we invited five distinguished speakers, Jim Bezdek from the University of West Florida, USA, Marco Gori from the Università di Siena, Italy, Colin de la Higuera from the Université Jean Monnet, Saint Étienne, France, Sarunas Raudys from the Institute of Mathematics and Informatics, Vilnius, Lithuania, and Josef Kittler from the University of Surrey, UK.

SSPR 2000 and SPR 2000 were sponsored by the Conselleria d'Educació de la Generalitat Valenciana under grant RG00-01-22, the Departament de Llenguatges i Sistemes Informàtics (DLSI) and the Escuela Politécnica Superior of the Universitat d'Alacant, the Departament d'Informàtica (DI) of the Universitat de València, and the International Association of Pattern Recognition (IAPR).

We would like to express our gratitude to all our sponsors and, specially, to the members of the two program committees who faced a really tough task which has lead to a selection of papers of a very high quality.

Special thanks are due to Ricardo Ferrís, Esther de Ves, and Elena Díaz of the DI, Universitat de València, and Francisco Moreno-Seco, Jorge Calera-Rubio, and Luisa Micó of the DLSI, Universitat d'Alacant, for their unbeatable effort in the organization of the workshops and in the preparation of the proceedings. We appreciate the help and understanding of the editorial staff of Springer-Verlag, in

particular Alfred Hofmann, who supported the publication of these proceedings in their LNCS series.

Finally, we would like to mention two colleagues who passed away during the preparation of these workshops: Pierre Devijver, after whom the last of the 5 plenary papers in the workshop is named, and Edzard Gelsema who died whilst holding the office of President of the IAPR.

September 2000

Francesc J. Ferri
José M. Iñesta
Adnan Amin
Pavel Pudil

SSPR 2000 Organization

Co-chairmen

José M. Iñesta

Dept. Lenguajes y Sistemas
Informáticos

Universidad de Alicante

Campus de San Vicente, 03071 Alicante, Spain

inesta@dlsi.ua.es

Adnan Amin

School of Computer Science and
Engineering

University of New South Wales

Sydney 2052, NSW, Australia

amin@cse.unsw.edu.au

Program Committee

K. Abe (Japan)

H. Baird (USA)

G. Borgefors (Sweden)

H. Bunke (Switzerland)

T. Caelli (USA)

L.P. Cordella (Italy)

I. Dinstein (Israel)

D. Dori (Israel)

G. Gimelfarb (N. Zealand)

L. Goldfarb (Canada)

E. Hancock (UK)

R. Haralick (USA)

J.M. Jolion (France)

R. Kasturi (USA)

W. Kropatsch (Austria)

H-J. Lee (Taiwan)

J. Oncina (Spain)

J. Oommen (Canada)

P. Perner (Germany)

A. Sanfeliu (Spain)

G. Sanniti di Baja (Italy)

K. Tombre (France)

E. Vidal (Spain)

P. Wang (USA)

Organizing Committee

Jorge Calera-Rubio

Mikel Forcada

Eva Gómez

Luisa Micó

Francisco Moreno

Juan Ramón Rico

Jose Luis Verdú

Supported by

International Association of Pattern Recognition

Conselleria d'Educació de la Generalitat Valenciana

Departament de Llenguatges i Sistemes Informàtics, Universitat d'Alacant

Departament d'Informàtica, Universitat de València

Escuela Politécnica Superior de Alicante

SPR 2000 Organization

Co-chairmen

Francesc J. Ferri

Dept. d'Informàtica
Universitat de València

Dr Moliner, 50 46100 Burjassot, Spain
ferri@uv.es

Pavel Pudil

Institute of Information Theory and
Automation

Academy of Sciences
182 08 Prague, Czech Republic
pudil@utia.cas.cz

Program Committee

V. Brailovsky (Israel)

R. Carrasco (Spain)

B.V. Dasarathy (USA)

R.W. Duin (Netherlands)

M. Gilloux (France)

J. Grim (Czech Rep.)

T.M. Ha (Switzerland)

J.P. Haton (France)

V. Hlaváč (Czech Rep.)

A.K. Jain (USA)

J. Kittler (UK)

M. Kudo (Japan)

L. Lam (Hong Kong)

G. Lugosi (Spain)

A. Maeder (Australia)

D. Maravall (Spain)

N. Murshed (Brazil)

J. Novovičová (Czech Rep)

E. Nyssen (Belgium)

Š. Raudys (Lithuania)

P. Rocket (UK)

M. Schlesinger (Ukraine)

S. Singh (UK)

C.Y. Suen (Canada)

Organizing Committee

Jesús Albert

Guillermo Ayala

Elena Díaz

Ricardo Ferrís

Jesús Malo

Esther de Ves

Supported by

International Association of Pattern Recognition

Conselleria d'Educació de la Generalitat Valenciana

Departament de Llenguatges i Sistemes Informàtics, Universitat d'Alacant

Departament d'Informàtica, Universitat de València

Advances in Pattern Recognition

Joint IAPR International Workshops SSPR 2000 and SPR

2000 Alicante, Spain, August 30 - September 1, 2000

Proceedings

Ferri, F.J.; Inesta, J.M.; Amin, A.; Pudil, P. (Eds.)

2000, XXXVI, 904 p., Softcover

ISBN: 978-3-540-67946-2