

# Preface

The International Symposium on Medical Data Analysis is an important periodical opportunity to exchange ideas and first-hand experiences with groups interested in the medical applications of innovative hardware and software tools.

The massive information available through continuous improvements in the various modeling approaches to Medical Data Analysis is reflected in the results, dealing with quite different topics, presented during the Third Edition of the Symposium (ISMDA 2002). They have been grouped into the following four categories: (1) Data Mining and Decision Support Systems; (2) Medical Informatics and Modeling; (3) Time-Series Analysis; and (4) Medical Imaging.

In setting up the symposium program we tried to avoid, even with the shortage of time, parallel sessions. Thus, all participants had the chance to catch all the oral presentations, and we hope that this third proceedings volume will extend this chance also to non-participants. As for the previous volumes, it contains extensive up-to-date chapters on Medical Data Analysis, packed with ideas, suggestions, and solutions to many problems typical of this field.

An appealing feature of ISMDA is the informal character coupled to a careful selection and reviewing procedure for the submitted contributions, which guaranteed a high-quality standard within a relaxing and friendly environment. In this connection, it is not only fair but also a great pleasure for us to thank the many people involved in the set-up of ISMDA 2002, from the authors to the organizing committee to the international panel of reviewers, all of them provided an invaluable contribution to the success of the symposium.

September 2002

Alfredo Colosimo  
Alessandro Giuliani  
Paolo Sirabella

# Organization

The ISMDA 2002 symposium was organized by the CISB, the Interdepartmental Research Centre for Models and Information Analysis in Biomedical Systems, University of Rome, La Sapienza, Italy.

## Scientific Committee

A. Babic	Linköping University, Sweden
R. Brause	J.W. Goethe University, Germany
A. Colosimo	University of Roma, La Sapienza, Italy
S. Cerutti	Polytechnic School, Milano, Italy
N. Ezquerra	Georgia Tech., USA
A. Giuliani	Nat. Inst. of Health, Italy
J. Hasenkam	Aarhus University, Denmark
H.G. Holzütter	Humboldt University of Berlin, Germany
E. Keravnou	University of Cyprus, Cyprus
P. Larranaga	University of the Basque Country, Spain
N. Lavrac	J. Stefan Institute, Slovenia
R. Lefering	University of Köln, Germany
A. Macerata	Institute of Clinical Physiology, Italy
V. Maojo	Polytechnical University of Madrid, Spain
E. Neugebauer	University of Köln, Germany
C. Ohmann	University of Heine, Germany
L. Ohno-Machado	Harvard Univ., USA
A. Pazos	University of A. Coruña, Spain
L. Pecan	Acad. of Sciences of the Czech Republic, Czech Republic
W. Sauerbrei	University of Freiburg, Germany
B. Sierra	University of the Basque Country, Spain
B. Silverman	University of Pennsylvania, USA
J. Sima	Acad. of Sciences of the Czech Republic, Czech Republic
P. Sirabella	University of Rome, La Sapienza, Italy
H. Sitter	University of Marburg, Germany
J.P. Zbilut	Rush University, Chicago, USA
B. Zupan	University of Ljubljana, Slovenia

Medical Data Analysis

Third International Symposium, ISMDA 2002, Rome,  
Italy, October 8-11, 2002, Proceedings

Colosimo, A.; Giuliani, A.; Sirabella, P. (Eds.)

2002, X, 230 p., Softcover

ISBN: 978-3-540-00044-0