Preface

This volume contains papers selected for presentation at the 6th IAPR Workshop on Document Analysis Systems (DAS 2004) held during September 8–10, 2004 at the University of Florence, Italy. Several papers represent the state of the art in a broad range of "traditional" topics such as layout analysis, applications to graphics recognition, and handwritten documents. Other contributions address the description of complete working systems, which is one of the strengths of this workshop. Some papers extend the application domains to other media, like the processing of Internet documents.

The peculiarity of this 6th workshop was the large number of papers related to digital libraries and to the processing of historical documents, a taste which frequently requires the analysis of color documents. A total of 17 papers are associated with these topics, whereas two years ago (in DAS 2002) only a couple of papers dealt with these problems.

In our view there are three main reasons for this new wave in the DAS community. From the scientific point of view, several research fields reached a thorough knowledge of techniques and problems that can be effectively solved, and this expertise can now be applied to new domains. Another incentive has been provided by several research projects funded by the EC and the NSF on topics related to digital libraries. Last but not least, the organization of focused events, like the recent DIAL workshop chaired by Henry Baird and Venu Govindraju in Palo Alto (CA), had a strong impact on the definition of new research directions. However, it is indeed a lucky coincidence that this new trend in DAS research emerged in this edition organized in a town such as Florence, which keeps such an exceptional artistic and cultural heritage.

We received a total of 79 submissions from 19 countries, and we selected 31 oral presentations and 22 posters highlighted with short oral introductions. As a supplement to this proceedings, notes from the workshop discussions and other material related to presented papers will be posted on the DAS 2004 website: http://www.dsi.unifi.it/DAS04. Each paper was reviewed by three reviewers whom we would like to warmly thank here. We should mention the valuable support and hints provided by members of the Program Committee and past DAS chairs. We also wish to acknowledge the generosity of our sponsors: the International Association for Pattern Recognition, the University of Florence, the DFKI, ABBYY, Hitachi, and Siemens.

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June 2004   Simone Marinai
                                                              Andreas Dengel

Organization

Workshop Co-chairs

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Andreas Dengel	DFKI, Germany

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Larry Spitz	Document Recognition Technologies, New Zealand
Karl Tombre	LORIA-INPL, France
Luc Vincent	LizardTech, USA
Marcel Worring	University of Amsterdam, The Netherlands

Additional Referees

Annalisa Appice	Dimosthenis Karatzas	T.R. Roth-Berghofer
Margherita Berardi	Michele Lapi	Jane Snowdon
Alain Biem	Larry O'Gorman	Salvatore Tabbone
Thomas Breuel	Huanfeng Ma	Yefeng Zheng
Michelangelo Ceci	Gérald Masini	Gary Zi
Philippe Dosch	Eugene Ratzlaff	
Stefan Jaeger	Maurizio Rigamonti	