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Document Analysis Systems

15th IAPR International Workshop, DAS 2022
La Rochelle, France, May 22–25, 2022
Proceedings

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Preface

Welcome to the 15th IAPR International Workshop on Document Analysis Systems (DAS 2022). DAS 2022 was held in La Rochelle, France, during May 22–25, 2022, and brought together many researchers from Europe and abroad.

With the new remote access facilities, the workshop was not confined to a specific location. In a sense, this was truly a worldwide edition of DAS, taking place around the world in a coordinated fashion, employing a schedule we designed to support participation across a wide range of time zones. Of course, this came with some challenges but also with interesting opportunities that caused us to rethink the way of fostering social and scientific interaction in this new medium. It also allowed us to organize an environmentally friendly event, extend the reach of the workshop, and facilitate participation from literally anywhere in the world for those with an interest in our field and an Internet connection. We truly hope we managed to make the most out of a difficult situation.

DAS 2022 continued the long tradition of bringing together researchers, academics, and practitioners in the research field of document analysis systems. In doing so, we built upon the previous workshops held over the years in Kaiserslautern, Germany (1994); Malvern, PA, USA (1996); Nagano, Japan (1998); Rio de Janeiro, Brazil (2000); Princeton, NJ, USA (2002); Florence, Italy (2004); Nelson, New Zealand (2006); Nara, Japan (2008); Boston, MA, USA (2010); Gold Coast, Australia (2012); Tours, France (2014); Santorini, Greece (2016); Wien, Austria (2018); and Wuhan, China (2020).

As with previous editions, DAS 2022 was a rigorously peer-reviewed and 100% participation single-track workshop focusing on issues and approaches in document analysis and recognition. The workshop comprised presentations by invited speakers, oral and poster sessions, and a pre-workshop tutorial, as well as distinctive DAS discussion groups.

This year we received 93 submissions in total, 78 of which were in the regular paper track and 15 in the short paper track. All regular paper submissions underwent a rigorous single-blind review process where the vast majority of papers received three reviews. The reviewers were selected from the 80 members of the Program Committee, judging the originality of work, the relevance to document analysis systems, the quality of the research or analysis, and the overall presentation. Of the 78 regular submissions received, 52 were accepted for presentation at the workshop (67%). Of these, 31 papers were designated for oral presentation (40%) and 21 for poster presentation (27%). All short paper submissions were reviewed by PC chairs. Of the 15 short papers received, all 15 were accepted for poster presentation at the workshop (100%). The accepted regular papers are published in this proceedings volume in the Springer Lecture Notes in Computer Science series. Short papers appear in PDF form on the DAS conference website.

The final program included six oral sessions, two poster sessions, and the discussion group sessions. There were also two awards announced at the conclusion of the workshop: the IAPR Best Student Paper Award and the IAPR Nakano Best Paper Award. We

offer our deepest thanks to all who contributed their time and effort to make DAS 2022 a first-rate event for the community.

In addition to the contributed papers, the program also included two invited keynote presentations by distinguished members of the research community: Andreas Dengel from the German Research Center for Artificial Intelligence (DFKI, Germany) and Adam Jatowt from the University of Innsbruck (Austria).

We furthermore would like to express our sincere thanks to the tutorial organizer, Himanshu Sharad Bhatt from American Express AI Labs, for sharing his valuable scientific and technological insights. Special thanks are also due to our sponsors IAPR, the L3i Laboratory, AriadNext, Esker, IMDS, GoodNotes, Yooz, MyScript, ITESOFT, TEKLIA, VIALINK, and the Région Nouvelle Aquitaine and Communauté d'Agglomération de La Rochelle, whose support, especially during challenging times, was integral to the success of DAS 2022.

The workshop program represented the efforts of many people. We want to express our gratitude, especially to the members of the Program Committee for their hard work in reviewing submissions. The publicity chairs, Richard Zanibi (USA) and Joseph Chazalon (France), helped us in many ways, for which we are grateful. We also thank the discussion group chairs, Michael Blumenstein (Australia) and Umapada Pal (India), for organizing the discussion groups and the tutorial chairs, Rafael Dueire Lins (Brazil) and Alicia Fornes (Spain), for organizing the tutorial. A special thank you goes to the publication chair, Cheng-Lin Liu (China), who was responsible for the proceedings at hand. We are also grateful to the local organizing committee who made great efforts in arranging the program, maintaining the web page, and setting up the meeting platform with support for remote attendance. The workshop would not have happened without the great support from the hosting organization, La Rochelle University.

Finally, the workshop would have not been possible without the excellent papers contributed by authors. We thank all the authors for their contributions and their participation in DAS 2022! We hope that this program will further stimulate research and provide practitioners with better techniques, algorithms, and tools. We feel honored and privileged to share the best recent developments in the field of document analysis systems with you in these proceedings.

April 2022

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