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Stan Sclaroff · Cosimo Distanto · Marco Leo ·
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Image Analysis and Processing – ICIAP 2022

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Proceedings, Part II

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Preface

The International Conference on Image Analysis and Processing (ICIAP) is an established biennial scientific meeting promoted by the Italian Association for Computer Vision, Pattern Recognition and Machine Learning (CVPL - formerly GIRPR), which is the Italian IAPR Member Society, and covers topics related to theoretical and experimental areas of Computer Vision, Image Processing, Pattern Recognition, and Machine Learning with emphasis on theoretical aspects and applications. The 21st International Conference on Image Analysis and Processing (ICIAP 2022) was held in Lecce, Italy, during May 23–27, 2022 (postponed from 2021 due to the COVID-19 pandemic), in the magnificent venue of the Teatro Apollo, (<http://www.iciap2021.org>). It was organized by the Lecce Institute of Applied Sciences and Intelligent Systems, an Institute of CNR, the National Research Council of Italy. ICIAP 2022 was sponsored by NVIDIA, E4 Computer Engineering s.p.a., and ImageS s.p.a., and was endorsed by the Apulia Region and the Province of Lecce.

The conference covered both established and recent scientific trends, with particular emphasis on Video Analysis and Understanding, Pattern Recognition and Machine Learning, Deep Learning, Multiview Geometry and 3D Computer Vision, Image Analysis, Detection and Recognition, Multimedia, Biomedical and Assistive Technology, Digital Forensics and Biometrics, Image Processing for Cultural Heritage, and Robot Vision.

The ICIAP 2022 main conference received 297 paper submissions from all over the world, including Austria, Azerbaijan, Bangladesh, Belgium, Brazil, Canada, China, the Czech Republic, the UK, Finland, France, Germany, Greece, Hungary, India, Ireland, Japan, Latvia, Lebanon, Mongolia, New Zealand, the Netherlands, Italy, Pakistan, Peru, Poland, Portugal, Russia, Syria, Spain, South Korea, Sri Lanka, Luxembourg, South Africa, Sweden, Switzerland, Turkey, the United Arab Emirates, and the USA. Two rounds of submissions were introduced, independent from each other, in order to improve the quality of papers. Paper selection was carried out by 25 expert researchers who acted as area chairs, together with the International Program Committee and an expert team of reviewers. The rigorous peer-review selection process, carried out by three distinct reviewers for each submission, ultimately led to the selection of 162 high-quality manuscripts, with an overall acceptance rate of 54%.

The main conference program included 45 oral presentations, 145 posters, and five invited talks. The invited talks were presented by leading experts in computer vision and pattern recognition: Larry S. Davis, University of Maryland and Amazon (USA), Roberto Cipolla, University of Cambridge (UK), Dima Damen, University of Bristol (UK), and Laura Leal-Taixe, Technische Universität München (Germany).

ICIAP 2022 also included 11 tutorials and hosted 16 workshops, seven competitions, and a special session on topics of great relevance with respect to the state of the art. The tutorial and workshop organizers came from both industry and academia.

Several awards were presented during the ICIAP 2022 conference. The Best Student paper award was supported by the MDPI Journal of Imaging, and several other prizes were conferred under the Platinum level sponsorship provided by NVIDIA.

The success of ICIAP 2022 is credited to the contribution of many people. Special thanks should be given to the area chairs, who did a truly outstanding job. We wish to thank the reviewers for the immense amount of hard work and professionalism that went into making ICIAP 2022 a successful meeting. Our thanks also go to the Organizing Committee for their unstinting dedication, advice, and support.

We hope that ICIAP 2022 has helped to build a piece of the future, a future where technologies can allow people to live comfortably, healthily, and in peace.

May 2022

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