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**ECAI 2020**

24th European Conference on Artificial Intelligence (ECAI 2020)

29 August–8 September 2020, Santiago de Compostela, Spain

– Including 10th Conference on Prestigious Applications of Artificial Intelligence (PAIS 2020)

**Editors: De Giacomo, G., Catala, A., Dilkina, B., Milano, M., Barro, S., Bugari n, A., Lang, J.**

**Book Series: Volume 325 of Frontiers in Artificial Intelligence and Applications**

This book presents the proceedings of the 24th European Conference on Artificial Intelligence (ECAI 2020), held in Santiago de Compostela, Spain, from 29 August to 8 September 2020. The conference was postponed from June, and much of it conducted online due to the COVID-19 restrictions. The conference is one of the principal occasions for researchers and practitioners of AI to meet and discuss the latest trends and challenges in all fields of AI and to demonstrate innovative applications and uses of advanced AI technology. The book also includes the proceedings of the 10th Conference on Prestigious Applications of Artificial Intelligence (PAIS 2020) held at the same time.

A record number of more than 1,700 submissions was received for ECAI 2020, of which 1,443 were reviewed. Of these, 361 full papers and 36 highlight papers were accepted (an acceptance rate of 25% for full papers and 45% for highlight papers). The book is divided into three sections: ECAI full papers; ECAI highlight papers; and PAIS papers. The topics of these papers cover all aspects of AI, including: Agent-Based and Multi-Agent Systems; Computational Intelligence; Constraints and Satisfiability; Games and Virtual Environments; Heuristic Search; Human Aspects in AI; Information Retrieval and Filtering; Knowledge Representation and Reasoning; Machine Learning; Multidisciplinary Topics and Applications; Natural Language Processing; Planning and Scheduling; Robotics; Safe, Explainable, and Trustworthy AI; Semantic Technologies; Uncertainty in AI; and Vision.

The book will be of interest to all those whose work involves the use of AI technology.


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