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AI*IA 2016: Advances in Artificial Intelligence

XVth International Conference
of the Italian Association for Artificial Intelligence
Genova, Italy, November 29 – December 1, 2016
Proceedings

Springer

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ISSN 0302-9743 ISSN 1611-3349 (electronic)
Lecture Notes in Artificial Intelligence
ISBN 978-3-319-49129-5 ISBN 978-3-319-49130-1 (eBook)
DOI 10.1007/978-3-319-49130-1

Library of Congress Control Number: 2016956538

LNCS Sublibrary: SL7 – Artificial Intelligence

Printed on acid-free paper

This Springer imprint is published by Springer Nature
The registered company is Springer International Publishing AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Preface

This volume collects the contributions presented at the XV Conference of the Italian Association for Artificial Intelligence (AI*IA 2016). The conference was held in Genova, Italy, from November 28 to December 1, 2016. The conference is organized by AI*IA (the Italian Association for Artificial Intelligence), and it is held annually.

The conference received 53 submissions. Each paper was carefully reviewed by at least three members of the Program Committee, and finally 39 papers were accepted for publication in these proceedings.

Following the 2013 and 2015 editions of the conference, we adopted a "social" format for the presentations: The papers were made available to conference participants in advance. Each paper was shortly presented at the conference, then assigned a time slot and a reserved table where the authors were available for discussing their work with the interested audience. The aim of this format is to foster discussion and facilitate idea exchange, community creation, and collaboration.

AI*IA 2016 featured exciting keynotes by Pietro Leo, Executive Architect, IBM Italy, CTO for Big Data Analytics; Giorgio Metta, Vice Scientific Director of IIT; and Dan Roth, University of Illinois at Urbana-Champaign.

The conference program also included seven workshops: the Second Italian Workshop on Artificial Intelligence for Ambient Assisted Living (AAL 2016), the Third Workshop on Artificial Intelligence and Robotics (AIRO 2016), the 10th Italian Workshop on Artificial Intelligence for Cultural Heritage (AI*CH 2016), the 5th Italian Workshop on Machine Learning and Data Mining (MLDM.it 2016), the 23rd RCRA International Workshop on Experimental Evaluation of Algorithms for Solving Problems with Combinatorial Explosion (RCRA 2016), and the First Italian Workshop on Deep Understanding and Reasoning: A Challenge for Next-Generation Intelligent Agents (URANIA 2016), plus a Doctoral Consortium.

The chairs wish to thank the Program Committee members and the reviewers for their careful work in selecting the best papers, the chairs of the workshops and of the Doctoral Consortium for organizing the corresponding events, as well as Angelo Ferrando, Frosina Koceva, and Laura Pandolfo for their help during the organization of the conference.

September 2016

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Organization

AI*IA 2016 was organized by AI*IA (in Italian, Associazione Italiana per l'Intelligenza Artificiale), in cooperation with the Department of Informatics, Bioengineering, Robotics and Systems Engineering and the Polytechnic School of the University of Genoa (Italy).

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Sponsoring Institutions

AI*IA 2016 was partially funded by the *Artificial Intelligence* journal, by the Department of Informatics, Bioengineering, Robotics and Systems Engineering, and the Polytechnic School, by the Istituto Nazionale di Alta Matematica "F. Severi" — Gruppo Nazionale per il Calcolo Scientifico, by Camlin Italy, by the city of Genoa, and by the Italian Association for Artificial Intelligence.

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