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Panos Pardalos · Mario Pavone
Giovanni Maria Farinella · Vincenzo Cutello (Eds.)

Machine Learning, Optimization, and Big Data

First International Workshop, MOD 2015
Taormina, Sicily, Italy, July 21–23, 2015
Revised Selected Papers

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ISSN 0302-9743 ISSN 1611-3349 (electronic)
Lecture Notes in Computer Science
ISBN 978-3-319-27925-1 ISBN 978-3-319-27926-8 (eBook)
DOI 10.1007/978-3-319-27926-8

Library of Congress Control Number: 2015957789

LNCS Sublibrary: SL3 – Information Systems and Applications, incl. Internet/Web, and HCI

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Printed on acid-free paper

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Preface

MOD 2015 was the first international workshop dedicated entirely to the field of Machine Learning, Optimization and Big Data. It was held in Taormina (Messina), Sicily, Italy, during July 21–23, 2015.

By bringing together scientists, industry experts, postdoctoral, and PhD students working in data science, optimization, and machine learning, MOD aims to provide researchers with the opportunity to learn more about other research areas, where the algorithms, methods, and theories on show are likely to be relevant to their own research activity.

Machine learning, optimization, and big data researchers are now forming their own community and identity. The International Workshop on Machine Learning, Optimization and Big Data is proud to be the premier workshop in the area. As program chairs, we were honored to have such a variety of innovative and original scientific articles presented this year.

There were three plenary lectures:

Vipin Kumar, University of Minnesota, USA
Panos Pardalos, University of Florida, USA
Tomaso Poggio, MIT, USA

In addition, there were four tutorial speakers:

Peter Baumann, Jacobs University Bremen, Germany
Mario Guarracino, Italian National Research Council, Italy
Valeriy Kalyagin, National Research University - HSE, Russia
George Michailidis, University of Florida, USA
Theodore B. Trafalis, University of Oklahoma, USA

MOD 2015 received 73 submissions, and each manuscript was independently reviewed by at least five members of the Technical Program Committee in a blind review process. These proceedings contain 32 research articles written by leading scientists in the field, from 40 different countries in five continents, describing an impressive array of ideas, technologies, algorithms, methods, and applications.

We could not have organized this conference without these researchers, and we thank them all for coming. We also could not have organized MOD 2015 without the excellent work of all of the Program Committee members.

We would like to express our appreciation to the keynote and tutorial speakers who accepted our invitation, and to all authors who submitted research papers to MOD 2015.

July 2015

Panos Pardalos
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