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ECML PKDD 2018 Workshops

MIDAS 2018 and PAP 2018
Dublin, Ireland, September 10–14, 2018
Proceedings

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Preface

The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD) is the premier European machine learning and data mining conference and builds upon over 16 years of successful events and conferences held across Europe. This year the conference — ECML PKDD 2018 — was held in Dublin, Ireland, during September 10–14, 2018. It was complemented by a workshop program, where each workshop is dedicated to specialized topics, to cross-cutting issues, and to upcoming trends. This year, 19 workshop proposals were submitted, and after a careful review process, which was led by the workshop co-chairs, 17 workshops were accepted. The workshop program included the following workshops:

1. The Third Workshop on Mining Data for Financial Applications (MIDAS)
2. The Second International Workshop on Personal Analytics and Privacy (PAP)
3. New Frontiers in Mining Complex Patterns
4. Data Analytics for Renewable Energy Integration (DARE)
5. Interactive Adaptive Learning
6. The Second International Workshop on Knowledge Discovery from Mobility and Transportation Systems (KnowMe)
7. Learning with Imbalanced Domains: Theory and Applications
8. IoT Large-Scale Machine Learning from Data Streams
9. Artificial Intelligence in Security
10. Data Science for Human Capital Management
11. Advanced Analytics and Learning on Temporal Data
12. The Third Workshop on Data Science for Social Good (SoGood)
13. Urban Reasoning from Complex Challenges in Cities
14. Green Data Mining, International Workshop on Energy-Efficient Data Mining and Knowledge Discovery
15. Decentralized Machine Learning on the Edge
16. Nemesis 2018: Recent Advances in Adversarial Machine Learning
17. Machine Learning and Data Mining for Sports Analytics (MLSA)

Each workshop had an independent Program Committee, which was in charge of selecting the papers. The success of the ECML PKDD 2018 workshops depends on the work of many individuals. We thank all workshop organizers and reviewers for the time and effort invested. We would also like to express our gratitude to the members of the Organizing Committee and the local staff who helped us. Sincere thanks are due to Springer for their help in publishing the proceedings.

This volume includes the selected papers of the MIDAS and PAP workshops. The papers of the other workshops will be published in separate volumes. Lastly, we thank all participants and keynote speakers of the ECML PKDD 2018 workshops for their contributions that made the meeting really interesting.

October 2018

Carlos Alzate
Anna Monreale

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