CrossMark

Introduction to the special issue for the ECML PKDD 2018 journal track

Derek Greene[1] · Bjørn Bringmann[2] · Elisa Fromont[3] · Jesse Davis[4]

This special issue contains papers accepted by the ECML PKDD 2018 journal track for publication in *Data Mining and Knowledge Discovery*. The track originated in ECML PKDD 2013, with the aim of offering authors the opportunity to have a journal publication, while also being able to present their work in a conference setting. The journal track provides authors with the option to submit a paper to either *Data Mining and Knowledge Discovery* or *Machine Learning* that, if accepted, will appear in a special issue of the respective journal. Papers accepted to this year's journal track will be presented by their authors at ECML PKDD 2018 in Dublin, Ireland, September 10–14, 2018.

The goal of the journal track is to solicit high-quality, novel, and mature research that meets the standard of a journal paper, while still being amenable to a conference presentation. As such, survey papers and extensions of previously published conference papers were not eligible for submission. The ECML PKDD 2018 journal track was organized around five submission deadlines, distributed approximately evenly in five-week intervals between August 27, 2017 and January 28, 2018.

In total, 86 papers were submitted to *Data Mining and Knowledge Discovery*, 10 of which were ultimately accepted in time to be included in this year's special issue. This issue also contains two papers that were submitted to the journal track for

✉ Derek Greene
derek.greene@ucd.ie

Bjørn Bringmann
bjoern_bringmann@mckinsey.com

Elisa Fromont
elisa.fromont@irisa.fr

Jesse Davis
jesse.davis@cs.kuleuven.be

[1] School of Computer Science, University College Dublin, Dublin, Ireland

[2] McKinsey & Company, Inc., Munich, Germany

[3] University Rennes, Inria, CNRS, IRISA, 35000 Rennes, France

[4] Department of Computer Science, KU Leuven, 3001 Leuven, Belgium

ECML PKDD 2017, but were still under review when the associated special issue was finalized. These papers were edited by Kurt Driessens, Dragi Kocev, Marko Robnik-Šikonja, and Myra Spiliopoulou. The accepted papers cover a range of topics within data mining, including time series analysis, anomaly detection, and network analysis.

Many individuals contributed to the success of the journal track. First, we would like to thank all authors who submitted papers. Secondly, we would like to thank the members of our Guest Editorial Board[1] and the other reviewers who provided timely and high-quality reviews. Thirdly, we acknowledge the help and kind support of Johannes Fürnkranz (Editor-in-Chief of *Data Mining and Knowledge Discovery*), Peter Flach (Editor-in-Chief of *Machine Learning*), and Melissa Fearon (Senior Editor of Springer responsible for these journals). Finally, we would like to extend our appreciation to the ECML PKDD 2018 general chairs and to last year's journal track chairs for providing us with valuable guidance and advice throughout the process. We sincerely hope that readers enjoy the papers in this issue.

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

---

[1] http://www.ECMLPKDD2018.org/guesteditorial/.