

Preface

This volume contains research papers presented at BICOD 2017: the 31st British International Conference on Databases held July 10–12, 2017, at Birkbeck, University of London.

The BICOD Conference is an international venue with a long tradition of presentation and discussion of research in the broad area of data management. The theme of BICOD 2017 was “Data Analytics,” that is, the process of deriving higher-level information from large sets of raw data.

The conference featured keynotes from three distinguished speakers: Sihem Amer-Yahia, Laboratoire d’Informatique de Grenoble; Tim Furche, University of Oxford and Wrapidity; and Elena Baralis, Politecnico di Torino. There were also two invited tutorials: by Vasiliki Kalavri, ETH Zürich, on distributed graph processing; and by Leopoldo Bertossi, Carleton University, on declarative approaches to data quality assessment and cleaning.

BICOD 2017 attracted paper submissions from Australia, Austria, Canada, Colombia, Germany, Ireland, Italy, Russia, Tunisia, and the UK. The Program Committee accepted 16 papers to appear in the proceedings covering topics such as data cleansing, data integration, data wrangling, data mining and knowledge discovery, graph data and knowledge graphs, intelligent data analysis, approximate and flexible querying, data provenance, and ontology-based data access.

A prize was awarded for the best paper presented by a PhD student, which was generously sponsored by Neo Technology. The authors of a small number of selected best papers were invited to submit extended versions of their work to a special issue of *The Computer Journal*.

We would like to thank all the authors for submitting their work to BICOD, the Program Committee members for their contribution to selecting an inspiring set of research papers, and the distinguished invited speakers for accepting our invitation to present their work in London. We also gratefully thank everyone involved in the local organization, including Tara Orlanes-Angelopoulou, Phil Gregg, Lucy Tallentire, Catherine Griffiths, and Matthew Jayes, for all their hard work and dedication in making this conference possible.

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Data Analytics

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