Proceedings of the British International Conference on Databases 2021 (BICOD 2021)

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Preface

This volume includes the proceedings of the British International Conference on Databases 2021 (BICOD 2021). The 7 revised papers, presented together with two keynote talks, and one panel session, were carefully reviewed by a panel of experts and selected from multiple submissions. The topics of the selected papers span a wide array of topics, all relevant in the context of data management. This includes query and update processing; relational storage; benchmarking; XML query processing; big data; spatial data and indexing and data extraction.

Each submission has been reviewed by at least 2 members of the Program Committee, and the review process allowed us to select 7 papers for presentation at the conference. They are included in this proceedings volume.
Organisation

**General Chairs**
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Peter Triantafillou, The University of Warwick
Graham Cormode, The University of Warwick
Manos Karpathiotakis, Facebook
James Cheney, The University of Edinburgh
Accepted Papers

- Daniel Ritter. **OrientDB: A NoSQL, Open Source MMDMS**

- Konstantinos Varvoutas, Anastasios Gounaris and Georgia Kougka. **Mapping DMN to PDM to enable optimizations**

- William Hunter, Thomas Heinis and Chandler Low. **Generating Synthetic Data for DNA Origami-based Information Storage Systems**

- Joaquin Cuomo, Hajar Homayouni, Indrakshi Ray and Sudipto Ghosh. **Detecting Temporal Dependencies in Data**

- Laurens Kuiper, Mark Raasveldt and Hannes Mühleisen. **Efficient External Sorting in DuckDB**

- Hubert Mohr-Daurat and Holger Pirk. **Homoiconicity For End-to-end Machine Learning with BOSS**

- Mary Scott, Graham Cormode and Carsten Maple. **Applying the Shuffle Model of Differential Privacy to Vector Aggregation**