BICOD 2021

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

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Edited by

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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

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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**