## **Systems for ML**

1. C.Curino, N.Godwal, B.Kroth, S.Kuryata, G.Lapinski, S.Liu, S.Oks, O.Poppe, A.Smiechowski, E.Thayer, M. Weimer, and Y.Zhu.

 $\label{eq:MLOS: An Infrastructure for Automated Software\ Performance\ Engineering.$ 

DEEM@SIGMOD 2020: 3:1-3:5

2. A.Agrawal, R.Chatterjee, C.Curino, A.Floratou, N.Gowdal, M.Interlandi, A.Jindal, K.Karanasos, S.Krishnan, B.Kroth, J.Leeka, K.Park, H.Patel, O.Poppe, F.Psallidas, R.Ramakrishnan, A.Roy, K.Saur, R.Sen, M.Weimer, T.Wright, and Y.Zhu

Cloudy with high chance of DBMS: A 10-year prediction for Enterprise-Grade ML. In CIDR, 2020.

## Streaming

3. A.Rozet, O.Poppe, C.Lei, and E.A.Rundenstianer.

MUSE: Multi-query event trend aggregation.

In CIKM, 2020.

4. O.Poppe, C.Lei, E.A.Rundensteiner, and D.Maier.

Event Trend Aggregation Under Rich Event Matching Semantics.

In SIGMOD, to pages 555-572, 2019.

5. O.Poppe, A.Rozet, C.Lei, E.A.Rundensteiner, and D.Maier.

Sharon: Shared Online Event Sequence Aggregation.

In ICDE, pages 737-748, 2018.

6. O.Poppe, C.Lei, E.A.Rundensteiner, and D.Maier.

GRETA: Graph-based Real-time Event Trend Aggregation.

In VLDB, pages 80-92, 2018.

7. O.Poppe, C.Lei, S.Ahmed, and E.A.Rundensteiner.

Complete Event Trend Detection in High-Rate Event Streams.

In SIGMOD, pages 109-124, 2017.

8. O.Poppe, C.Lei, E.A.Rundensteiner, D.Dougherty, G.Deva, N.Fajardo, J.Owens, T.Schweich, M.Van Valkenburg, S.Paisarnsrisomsuk, P.Wiratchotisatian, G.Gettel, R.Hollinger, D.Roberts, and D.Tocco. CAESAR: Context-Aware Event Stream Analytics for Urban Transportation Services.

Demonstration. In EDBT, pages 590-593, 2017.

9. O.Poppe, C.Lei, E.A.Rundensteiner, and D.Dougherty.

Context-aware Event Stream Analytics.

In EDBT, pages 413-424, 2016.

10. S.Ahmed, O.Poppe, and E.A.Rundensteiner.

Event Sequence Detection over Interval-Based Event Streams.

In ABDA, pages 17-23, 2016.

11. E.A.Rundensteiner, O.Poppe, C.Lei, M.Ray, L.Cao, Y.Qi, M.Liu, and D.Wang.

Exploiting Sharing Opportunities for Real-time Complex Event Analytics.

IEEE Data Eng. Bull., pages 82-93, 2015.

12. O.Poppe, S.Giessl, E.A.Rundensteiner, and F.Bry.

The HIT Model: Workflow-aware Event Stream Monitoring.

T. Large-Scale Data- and Knowledge-Centered Systems, pages 26-50, 2013.

13. M.Eckert, F.Bry, S.Brodt, O.Poppe, and S.Hausmann.

A CEP Babelfish: Languages for Complex Event Processing and Querying Surveyed.

Reasoning in event-based distributed systems, pages 47-70, 2011.

14. M.Eckert, F.Bry, S.Brodt, O.Poppe, and S.Hausmann.

Two Semantics for CEP, no Double Talk: Complex Event Relational Algebra and its Application to XChangeEQ.

Reasoning in event-based distributed systems, pages 71-97, 2011.

## **Semantic Web**

- F.Bry, T.Furche, B.Marnette, C.Ley, B.Linse, and O.Poppe.
  SPARQLLog: SPARQL with Rules and Quantification.
  Semantic Web information management, pages 341-370, 2009.
- 16. F.Bry, T.Furche, B.Linse, A.Pohl, A.Weinzierl, and O.Yestekhina. Four Lessons in Versatility or How Query Languages Adapt to the Web. Semantic Techniques for the Web, pages 50-160, 2009.