

# SIGMOD / AMSTERDAM PXD 2X19

**Tuesday 17:50-19:50 – Veilingzaal 1.20**

**PODS 5: Semistructured Data and Knowledge Graphs, Logic, and Verification**

**Chair:** Reinhard Pichler

**The Space-Efficient Core of Vadalog**

*Gerald Berger (TU Wien), Georg Gottlob (University of Oxford & TU Wien), Andreas Pieris (University of Edinburgh), Emanuel Sallinger (University of Oxford & TU Wien)*

**Decidable XPath Fragments in the Real World**

*David Baelde (ENS Paris-Saclay & CNRS, Université Paris-Saclay), Anthony Lick (ENS Paris-Saclay & CNRS, Université Paris-Saclay), Sylvain Schmitz (ENS Paris-Saclay & CNRS, Université Paris-Saclay)*

**Containment of Shape Expression Schemas for RDF**

*Slawek Staworko (CNRS & University of Lille), Piotr Wieczorek (University of Wroclaw)*

**Complexity Bounds for Relational Algebra over Document Spanners**

*Liat Peterfreund (Technion), Dominik Freydenberger (Loughborough University), Benny Kimelfeld (Technion), Markus Kröll (Vienna University of Technology)*

**Reachability in Database-driven Systems with Numerical Attributes under Recency Bounding**

*Parosh Aziz Abdulla (Uppsala University), C. Aiswarya (Chennai Mathematical Institute), Mohamed Faouzi Atig (Uppsala University), Marco Montali (KRDB Research Centre, Free University of Bozen-Bolzano)*

**Compiling Existential Positive Queries to Bounded-Variable Fragments**

*Christoph Berkholz (Humboldt-Universität zu Berlin), Hubie Chen (Birkbeck, University of London)*