

# Tim Baccaert

## Personal Information

Date of Birth 16 December, 1997 (26 years old)  
Nationality Belgian  
Residence Koekelberg, Brussels, Belgium  
Languages Dutch (Native), English (C1), French (A2)  
E-mail [tim.baccaert@vub.be](mailto:tim.baccaert@vub.be) (university),  
[tim@baccaert.com](mailto:tim@baccaert.com) (personal)  
Website [baccaert.com](http://baccaert.com)



## Publications

2023  
Conference Article **Distributed Consistency Beyond Queries**  
**PODS 2023** - 42nd ACM SIGMOD-SIGACT-SIGAI Symposium on Principles of Database Systems  
Location: *Seattle, WA, USA (18-23 June, 2023)*  
Editors: *Ngo, H., Geerts, F.*  
Authors: *Baccaert, T., Ketsman, B.*

2021  
U.S. Patent **Translating a Natural Language Query Into a Formal Data Query**  
Patent No.: *US 11,086,861 B2*  
Assignee: *International Business Machines (IBM) Corporation*  
Authors: *Staar P., Dolfi M., Auer C., Georgopoulos L., Sobczyk A., Baccaert T., Bekas K.*

## Workshop Contributions

2024  
Workshop Article **Cascade: Optimal Transaction Scheduling for High-Contention Workloads**  
**ICDE 2024 PhD Symposium** - IEEE International Conference on Data Engineering, PhD Symposium  
Location: *Utrecht, NL (13-17 May, 2024)*  
Editors: *Jindal A., Choi B.*  
Authors: *Baccaert T.*

2023  
Presentation **Reliable Query Languages for Federations of Knowledge Graphs**  
**KG4DI** - Knowledge Graphs for Data Integration  
Location: *Hasselt, BE (9 June, 2023)*  
Authors: *Baccaert T., Ketsman B.*

2022  
Poster & Presentation **Staying CALM Beyond Deterministic Queries**  
**DBDBD 2022** - The Dutch-Belgian Database Day  
Location: *Utrecht, NL (16 December, 2022)*  
Chair: *Velegarakis Y., Chekol M., Qahtan H.*  
Authors: *Baccaert T., Ketsman B.*

## Employment

2021 Oct. (current) **PhD Scholarship** Vrije Universiteit Brussel, Belgium  
full-time job Databases Group, Software Languages Lab

2018 (7 months) **Research Intern** IBM Research Zürich, Switzerland  
internship Cognitive Computing & Industry Solutions Lab

## Education

2021 Oct. (current) **Doctorate in Computer Science** Vrije Universiteit Brussel, Belgium  
**Promotor**, Prof. Dr. Bas Ketsman

2018 – 2021 **Master in Appl. Sci. & Eng.: Computer Science** Vrije Universiteit Brussel, Belgium  
Graduated with **greatest distinction**

2015 – 2018      **Bachelor in Applied Computer Science**      HOWEST, Belgium  
Graduated with **great distinction**

### Teaching Assistance

2022-2024      **Data and Information Management**      Vrije Universiteit Brussel, Belgium  
master-level (fall)      **Course Titular**, Prof. Dr. Bas Ketsman

2021-2023      **Scalable Data Management Systems**      Vrije Universiteit Brussel, Belgium  
master-level (fall)      **Course Titular**, Prof. Dr. Bas Ketsman

2021-2022      **Open Information Systems**      Vrije Universiteit Brussel, Belgium  
master-level (fall)      **Course Titular**, Prof. Dr. Bas Ketsman

### Thesis Supervision

2023-2024      **Faiza Tasnia**      Vrije Universiteit Brussel, Belgium  
master-level      **Promotor**, Prof. Dr. Bas Ketsman

2022-2023      **Louis Henri Vyfeyken**      Vrije Universiteit Brussel, Belgium  
master-level      **Promotor**, Prof. Dr. Bas Ketsman