

Fatma Ozcan

Principal Software Engineer
Google



Recent Awards and Honors

- VLDB Endowment Women in Database Research Award, 2022
- ACM Distinguished Member, 2019
- IBM Corporate Award for PureXML Database Technology, 2008
- IBM Extraordinary Technical Accomplishment Awards: 2010 (research contributions to Db2), 2009 (Standards Leadership)
- IBM Outstanding Technical Achievement Awards; 2018 (NLQ), 2016 (Join algorithms for big data), 2014 (BigSQL), 2007 (Db2 PureXML)

Involvement in CRA Activities

- I served on the board of directors between 2020 and 2023. During that time, I served on the awards committee, and participated in the Research Integrity Working Group.
- I am currently on the steering committee for CRA-Industry, and will become its co-chair with Divesh Sirivastava in July 2024. As part of CRA-Industry, I organized roundtables and workshops, and co-authored workshop reports.

Other Relevant Experience

- ACM SIGMOD executive committee; 2017-2021 as secretary/treasurer, 2021-2025 as vice chair
- VLDB Endowment Board of Trustees, 2016-2022
- PVLDB Advisory Board, 2018-present
- CRA-Industry Steering Committee Member
- Distinguished/Principal RSM and Senior Manager (2016-2020), IBM Almaden Research Center, San Jose, CA; Led a research group of 15-20 to explore, innovate and deliver data and information management solutions

Research Interests

- Foundation ML models for databases and ML for databases, NL2SQL, infra-structure and platforms for large-scale data analysis, conversational interfaces to data, semi-structured data processing, query processing and optimization, and database engines, and data management platforms.

Personal Statement

I am honored to run for the board of directors of CRA. I served on the CRA board 2020 to 2023. I am on the steering committee of CRA-Industry, organizing roundtables, workshops, and co-authoring white papers. I am very passionate about industrial research, and have been an industrial researcher for 23 years, leading research teams and delivering core technology into products. I am the vice-chair of SIGMOD, served on the board of VLDB Endowment, chaired many program committees, and organized major conferences. All these experiences have given me the skills and prepared me well for serving the computing research community.