

Min Wang

SVP, Head of Visa Research
Visa Research
Visa Inc.

Awards and honors and year received (list--no more than *five* items):

- 2009 SIGMOD Test of Time Award for the paper from the 1999 SIGMOD Conference that has had the most impact (research, products, methodology) over the intervening decade, ACM SIGMOD/PODS 2009 Conference, June 29-July 2, 2009, Providence, Rhode Island, USA. Paper: Approximate Computation of Multidimensional Aggregates of Sparse Data Using Wavelets (with Jeff Vitter).
- ER 2008 Conference Best Paper Award (DKE 25Year Award) (given by the Elsevier), the 27th International Conference on Conceptual Modeling (ER 2008), Oct. 2008, Barcelona, Spain. Paper: Modeling and Querying E-Commerce Data in Hybrid Relational-XML DBMSs (with Lipyeow Lim and Haixun Wang).
- Outstanding Technical Achievement Award (OTAA) for contribution to DB2XML, Jan 2007, IBM.
- Outstanding Ph.D. Dissertation Award, Department of Computer Science, Duke University, 1999-2000 academic year.

Have you previously been involved in any CRA activities? If so, describe.

- Panelist for CRA-Computing Community Consortium and NSF CISE Advisory Council Industrial Roundtable, July 24, 2015, San Francisco.

List any other relevant experience and year(s) it occurred (list--no more than *five* items).

- Senior Vice President and Head of Visa Research, Visa Inc., San Francisco, CA, 5/2015-present.
- Senior Staff Research Scientist and Research Manager, Google Research, Mountain View, CA, 1/2013-5/2015.
- Distinguished Technologist, Hewlett Packard Company, 7/2011-1/2013.
- Director, HP Labs China, HP Labs, Beijing, China, 1/2010-1/2013.
- Research Staff Member and Research Manager, IBM T.J. Watson Research Center, Hawthorne, New York, 10/1999-12/2009.

Research interests: (list only)

- Search Engine Query Understanding
- Query Optimization for Database Systems
- Information Retrieval and Analytics
- Data Mining

Personal Statement

During the past sixteen years I have worked in four different industrial research organizations: IBM Research (T. J. Watson, NY), HP Labs, China (Beijing), Google Research (Mountain View, CA), and Visa Research (San Francisco, CA). I have played the roles of individual researcher (IBM), research manager (IBM & Google), lab director

(HP), and founding head of a new research organization (Visa). I have worked closely with academia, and I have co-supervised a number of graduate students. I believe I can bring a uniquely broad perspective to CRA in how to better build the bridge between academic research and industrial applications.

Brief Biography or CV

(Attached)

BIOGRAPHY

Dr. Min Wang

Senior Vice President of Visa Research, Visa Inc.



Dr. Min Wang joined Visa as the Senior Vice President and head of Visa Research in May 2015. Visa Research is a newly created organization as part of the company's continued effort to expand technology research capabilities globally. Visa Research engages with the company's technology and product teams, business partners, academics and governments, to explore and develop technologies that are critical to the payments industry. In her role, Wang leads the research on data analytics, security and the future of payments.

Prior to Visa, Wang was part of Google Research where she was a Senior Staff Research Scientist and research manager focused on knowledge integration and inferencing at Google's headquarters in Mountain View, California. Before Google, Wang was Director of HP Labs China in Beijing, China, where she was also named an HP Distinguished Technologist. Wang also held a senior research role as the manager of the Unified Data Analytics Department at IBM's Thomas J. Watson Research Center in Hawthorne, New York.

Wang has received several distinguished research awards for her work on data management. In 2009, Wang received the ACM SIGMOD Test of Time Award for her 1999 SIGMOD paper, "Approximate Computation of Multidimensional Aggregates of Sparse Data Using Wavelets."

Wang received her Ph.D. in Computer Science from Duke University and BS and MS degrees, both in Computer Science, from Tsinghua University, Beijing, China.