

## Candidate for Chair

Divyakant Agrawal  
University of California at Santa Barbara, CA, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., SUNY at Stony Brook, 1987, Computer Science.

#### Professional Experience:

Professor, University of California at Santa Barbara, CA, 1987 – Present.

#### Professional Interest:

Databases, Distributed Systems, Cloud Computing, Big Data, Data Warehousing.

#### ACM Activities:

Secretary, SIGSPATIAL, 2011 – 2014;

Member of the Editorial Board, ACM BOOKS, 2015 – Present;

Editor, ACM Transactions on Database Systems, 2012 – 2017;

Editor, ACM Transactions on Spatial Algorithms and Systems, 2016 – 2019.

#### Membership and Offices in Related Organizations:

Program Chair, 2010 ACM SIGMOD International Conference on Management of Data, 2010;

Member, VLDB Board of Trustees, VLDB Endowment, 2012 – 2018;

Editor-in-Chief, Distributed and Parallel Databases, 2009 – Present.

#### Awards Received:

AAAS Fellow, 2018.

IEEE Fellow, 2012;

ACM Fellow, 2011.

### **STATEMENT**

ACM SIGMOD has played an integral and important role in the data revolution that has transformed our daily lives over the past few decades. While we have much to celebrate, recent events have revealed that in fact, much more must be done when it comes to the role of data in the context of technology and society. Given the fragility exhibited by the technology solutions that are intimately connected to data, I envision that the SIGMOD research and development community is well positioned to play an integral and momentous role in developing next-generation solutions. I am honored to be nominated to serve as the SIGMOD Chair. Given the central role of data in all our decision-making processes, it is critical that our future research endeavors address the issues of data privacy, data security,

data fairness, and responsible data management. If elected, I will do my best to continue the strong tradition of service established by generations of dedicated SIGMOD leadership to broaden the scope of the SIGMOD community's contributions towards responsible and fair use of data for the future of technology and society.

## Candidate for Chair

K. Selcuk Candan  
Arizona State University, Tempe, AZ, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Maryland, College Park, 1997, Computer Science.

#### Professional Experience:

Professor (Asst.; Assoc.; Full), Arizona State University, Tempe, AZ, 1997 – Present;  
Director, ASU Center for Assured and Scalable Data Engineering (CASCADE), Tempe, AZ, 2016 – Present;  
Visiting Research Scientist, NEC Research Labs, Cupertino, CA, 2000 – 2009.

#### Professional Interest:

Data Management, Scalable Data Processing, Temporal Data Processing and Analysis  
Tensor-Based, Bayesian, NN, Causal Systems for Data Analysis, Applications  
(Epidemics, Disasters, Energy, and Healthcare).

#### ACM Activities:

Member & Conference Coordinator, ACM SIGMOD Executive Committee, 2012 – Present;  
Associate Editor, ACM Transactions on Database Systems, 2015 – Present;  
General Chair, ACM SIGMOD Conference, 2012;  
Core Program Committee Member, ACM SIGMOD Conference, 2019.

#### Membership and Offices in Related Organizations:

Associate Editor, IEEE Transactions on Knowledge and Data Engineering (TKDE),  
2016 – Present;  
Associate Editor, IEEE Transactions on Transactions on Cloud Computing (TOCC),  
2016 – Present;  
Associate Editor, PVLDB (2019 & 2022), 2019.

### **STATEMENT**

I am honored to be considered for the SIGMOD Chair position. Being a member of our community for ~25 years, having taken various service roles, and having collaborated with three teams of elected officers as a member of the Executive Committee, I had a chance to have part in the various transformations our community has successfully navigated through.

Today we are in the middle of a major disruption, set off by the ongoing scientific/technological revolution. Our community is perfectly positioned to meet the explosive demand for data engineers and scientists (with expertise in parallel, distributed, and real-time systems for acquiring, securing, accessing, and processing large, heterogeneous, multi-source, multi-modal data over its life-cycle) to innovate, architect, and manage data systems for industry and scientific discovery. Yet, while striving to increase impact by finding better ways to reach out to stakeholders, we also need to ensure that the core characteristics that define the SIGMOD community and brand are safeguarded.

I believe, therefore, the SIGMOD Chair must be a watchful catalyst, enabling transformations that are already underway, while working towards improving our community's diversity across all dimensions and its reach to sciences, industries, and geographies (despite COVID-19).

## Candidate for Vice-Chair

Yufei Tao  
Chinese University of Hong Kong

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Hong Kong University of Science and Technology, 2002, Computer Science.

#### Professional Experience:

Professor, Chinese University of Hong Kong, 2017 – Present;  
Professor, The University of Queensland, Australia, 2016 – 2017;  
Professor, Chinese University of Hong Kong, 2013 – 2016.

#### Professional Interest:

Database Systems and Theory, Theoretical Computer Science.

#### ACM Activities:

PC Chair, ACM PODS 2020, 2019 – 2020;  
Associate Editor, ACM Transactions on Database Systems, 2008 – 2015;  
Group Leader, ACM SIGMOD 2017, 2016 – 2017;  
Senior PC member, ACM SIGKDD 2019-2021, 2018 – Present.

#### Membership and Offices in Related Organizations:

Member, PODS Executive Committee, 2019 – Present;

#### Awards Received:

ACM Fellow, 2020;  
PODS Best Paper Award 2018, 2018;  
SIGMOD Best Paper Award 2015, 2015;  
SIGMOD Best Paper Award 2013, 2013.

### **STATEMENT**

I am honored to have been nominated for the ACM SIGMOD Vice-Chair position.

I have served the SIGMOD community in several roles, including (but not limited to): (i) for the SIGMOD conference: group leader (2017), PC member (2007-2009, 2012, 2015, 2017-2019), demo-track program chair (2010), and tutorial chair (2013 and 2014); (ii) for the PODS conference: PC chair (2020), PC member (2014, 2016, 2017, 2019, 2020, 2022), and PODS Executive Committee (2019-present); (iii) an associate editor of Transactions on Database Systems (2008-2015).

These opportunities have allowed me to understand the needs, standards, and challenges in both the engineering and theoretical subfields of data management. If elected as Vice-Chair, I will work with the Chair and other parties to bridge the two subfields, aiming to promote stronger collaborations between system builders and theoreticians.

SIGMOD has made excellent contributions to computer science but has not yet reached its full potential outside North America. I have held academic positions in China, Korea, and Australia. If elected as Vice-Chair, I will work with the Chair and other parties to deepen the influence of SIGMOD in those regions, based on the ties established throughout the years.

## Candidate for Vice-Chair

Fatma Ozcan  
Google, Mountain View, CA, USA

### **BIOGRAPHY**

#### Academics Background:

Ph.D., University of Maryland, College Park, 2001, Computer Science.

#### Professional Experience:

Principal Software Engineer, Google, Mountain View, CA, 2020 – Present;  
Distinguished Research Staff Member, IBM Research, San Jose, CA, 2020;  
Senior Manager, IBM Research, San Jose, CA, 2018 – 2020.

#### Professional Interest:

Data Management and Analytics, Infrastructure and Platforms for Large-Scale Data Analytics, Conversational Interfaces to Data and NLQ, Query Processing and Optimization, Query Languages.

#### ACM Activities:

Treasurer and Secretary, SIGMOD, 2017 – Present;  
Program Committee Chair, Industrial Track, SIGMOD, 2021;  
ACM Distinguished Member, 2019;  
General Chair, SIGMOD, 2016.

#### Membership and Offices in Related Organizations:

Board of Directors, CRA (Computer Research Association), 2020 – Present;  
Board of Trustees, VLDB (Very Large Databases) Endowment, 2016 – Present;  
Program Committee Chair, Editor in Chief, PVLDB Volume 12, 2018 – 2019.

#### Awards Received:

Multiple IBM Technical Achievement Awards, 2020;  
IBM Corporate Award, 2008;  
IBM Outstanding Innovations Award, 2007.

### **STATEMENT**

It is my great pleasure to run for the SIGMOD Vice-Chair position. I have been an ACM SIGMOD member since 2000, and the SIGMOD Treasurer and Secretary since 2017.

SIGMOD has made significant contributions to the data management research community and has been a beacon of progress for many decades. I strongly believe

that SIGMOD will continue to play a leading role in data management and analysis research going forward.

This past year has shown us once again the importance of data driven decision making. Data management is the foundation that ensures reliable collection of data and its governance, accurate data cleaning, enhancement, and entity resolution, as well as efficient and timely data analytics for actionable insights. While continuing to encourage research breakthroughs and strong academic and industrial partnerships, SIGMOD also needs to extend its reach and strategy to new research challenges and expand to more regions of the world. This requires a better understanding of diverse cultural and professional contexts, and tight collaboration between academia and industry. As an industrial research leader with strong academic connections, I will promote diverse participation of academicians, students, and industrial technology leaders in SIGMOD activities from all over the world.



## Candidate for Secretary/Treasurer

Letizia Tanca  
Politecnico di Milano, Italy

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Naples. 1988, Applied Math and Computer Science.

#### Professional Experience:

Associate Professor, Politecnico di Milano, Italy, 1993 – 1995;

Full Professor, University of Verona, Italy, 1996 – 1999;

Full Professor, Politecnico di Milano, Italy, 2000 – Present.

#### Professional Interest:

Data Management in general, Big Data, Pervasive Systems and Context Awareness, Ethics in Data Management and Analysis, Data Integration.

#### Membership and Offices in Related Organizations:

Board member, Informatics Europe, 2006 – 2011.

#### Awards Received:

Invited Lecturer at the Symposium on Applied Computing (SAC 2012), 2012.

### **STATEMENT**

With my candidacy to the position of SIGMOD Secretary/Treasurer, I hope to bring the experience I have gained as a Computer Science researcher, where, often under the umbrella of ACM, I have learned to appreciate a perspective on research that combines formal cleanliness with attention to application problems. This approach should never be forsaken, and we should continue to ground our education on principles that guide technological advances, rather than being driven by them.

Especially now that data management is exceedingly interesting for disciplines like Machine Learning, our competence is needed to support the innumerable attempts for exploiting data to gain knowledge. Back in February 2016, my SIGMOD blog post WISDOM: A “DOUBLE V” FOR BIG DATA (<http://wp.sigmod.org/?p=1948>) went like this: “not only we want to make sense of the data, whether they are big or not, but we should extract from them a worth that makes us wiser, doubling their Value.”

To this, I would now add the tremendous need to sustain ethics as a fundamental dimension of data quality. I believe SIGMOD should govern this change, finding ways to control and lead the data-inspired transformation of society, towards a correct use of technological knowledge.

## Candidate for Secretary/Treasurer

Rachel Pottinger  
University of British Columbia, Vancouver, Canada

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of British Columbia, 2004, Computer Science.

#### Professional Experience:

Associate Professor, University of British Columbia, Vancouver, Canada, 2012 – Present;  
Assistant Professor, University of British Columbia, Vancouver, Canada, 2004 – 2012.

#### Professional Interest:

Databases, Data Exploration, Data Understanding, Metadata, Data Integration.

#### ACM Activities:

General Co-Chair, SIGMOD, 2020.

#### Membership and Offices in Related Organizations:

Member of Board of Directors, Computing Research Association (CRA), 2018 – Present;  
Area Chair, International Conference on Data Engineering (ICDE), 2018.

### **STATEMENT**

It is my honour to be nominated for Secretary/Treasurer of SIGMOD. I have attended SIGMOD/PODS since 1998, and in the more than two decades since that first conference, I have been very happy and impressed with the community, both intellectually and personally. As such, I have enjoyed the opportunity to give back to the community in a variety of ways, from being on the PCs of conferences like SIGMOD, VLDB, ICDE, and EDBT.

As one of the general chairs of SIGMOD 2020, I had the opportunity to learn some about how the SIGMOD EC works, not to mention having a better understanding of how the SIGMOD budget works. I hope to be able to join the EC as the database community continues to grow and change.