

Candidate for Chair

John Charles Krumm
Redmond, WA, USA

BIOGRAPHY

Academic Background:

Ph.D., Carnegie Mellon University, 1993, Robotics.

Professional Experience:

Senior Principal Researcher, Microsoft Research, Redmond, WA, USA, 1997 – 2023;
Principle Member of Technical Staff, Sandia National Laboratories, Albuquerque, NM, USA, 1993 – 1997.

Professional Interest:

Location trajectory analysis, Map matching, Personal data privacy, Economics of location data, computational humor.

ACM Activities:

Secretary, SIGSPATIAL, 2020 – Present;
Treasurer, SIGSPATIAL, 2017 – 2020;
Conference Program Committee Co-Chair, SIGSPATIAL, 2014;
Conference Program Committee Co-Chair, SIGSPATIAL, 2013.

Awards Received:

SIGSPATIAL Best Paper, 2022;
Mobile Data Management Best Paper, 2022;
UbiComp 10-Year Impact, 2021;
SIGSPATIAL Best Paper Runner Up, 2018.

STATEMENT

I have served on the ACM SIGSPATIAL Executive Committee for the past six years, three as Treasurer and three as the current Secretary. Our SIG is doing well, and the Executive Committee has been a productive, friendly team with genuine concern for the health of SIGSPATIAL. One of my most recent activities was significantly boosting the number of student travel grants for our conference to ensure our conference and SIG stay vital and innovative. I have also helped move our conference outside of the U.S. for the first time, and I believe this should continue on a regular basis. If I keep working on the Executive Committee, I want to establish two permanent committees: one for awards and one for diversity, equity & inclusion. This will help give consistency and continuity to these important efforts. In these committees and in our choice of conference organizers, I want

to take advantage of our members' energy and commitment to our SIG, especially by bringing in younger members for fresh ideas and a strong pipeline of future leaders.

Candidate for Chair

Goce Trajcevski
Iowa State University, Ames, IA, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Illinois at Chicago, 2002, Computer Science.

Professional Experience:

Associate Professor, Dept. of ECE, Iowa State University, Ames, IA, USA, 2017 – Present;
Associate Chairman and Senior Lecturer, Dept. of EECS, Northwestern University,
Evanston, IL, USA, 2009 – 2017;
Research Professor, Dept. of EECS, Northwestern University, Evanston, IL, USA,
2007 – 2009.

Professional Interest:

Spatio-Temporal Data Management, Mobile Data Management, Machine Learning for
Mobile Data, Indexing and Querying Heterogeneous Spatio-Temporal Data, Data
Management in Sensor Networks.

ACM Activities:

General Co-Chair, ACM SIGSPATIAL Conference, 2019 – 2020;
SIG Vice-Chair, ACM SIGSPATIAL, 2017 – 2020;
Program Committee Co-Chair, ACM SIGSPATIAL, 2017;
Workshops Co-Chair, ACM SIGSPATIAL, 2015.

Membership and Offices in Related Organizations:

Program Committee Co-Chair, IEEE Mobile Data Management, 2023 – Present;
Online Chair, VLDB, 2023 – Present;
General co-Chair, IEEE International Conference on Data Engineering, 2014.

Awards Received:

Best Demo Award, ACM SIGSPATIAL, 2022;
Runner-up for Best Short Paper Award, 2021;
Best Short Paper Award, ACM MSWiM, 2013.

STATEMENT

It is an honor to be asked to be nominated for the position of the Chair of the Executive Committee of SIGSPATIAL. I have been a member of ACM for almost two decades and have been affiliated with SIGSPATIAL since its inception. I have served as Local Organizing Chair, Workshops Co-Chair, PC Co-Chair and General Co-Chair of the ACM SIGSPATIAL Conference, and was a Vice-Chair of SIGSPATIAL's Executive Committee.

I have witnessed (and contributed to the) growth of SIGSPATIAL and its conference over the past decade, which has recently entered the list of recommended conferences by CCF.

If I am given the opportunity to become the Chair of the EC, I will put forward my best efforts to further increase the growth and impact of SIGSPATIAL. Among the list of the specific activities that I would like to focus on are: 1. Increasing its presence and membership in regions such as Africa, India, and South America. 2. Strengthen the diversity and inclusion aspects (include co-Chairs in the Organizing Committee of SIGSPATIAL conference). 3. Promoting awareness about the SIGSPATIAL conference, as well as TSAS journal, among professionals from other disciplines (e.g., Agriculture, Civil Engineering, Transportation).

Candidate for Vice Chair

Flora Salim
University of New South Wales, Sydney, Australia

BIOGRAPHY

Academic Background:

Ph.D., Monash University, 2009, Computer Science.

Professional Experience:

Professor and Cisco Chair, University of New South Wales, Sydney, 2022 – Present;

Professor, RMIT University, Melbourne, 2014 – 2022;

ARC Postdoctoral Fellow Industry (APDI), RMIT University, Melbourne, 2012 – 2014.

Professional Interest:

Machine learning; Deep learning, Spatiotemporal forecasting, Self-supervised learning, Fair and explainable AI, Mobility data science.

ACM Activities:

Editor, ACM IMWUT, 2022 – Present;

Associate Editor, ACM Transactions on Spatial Algorithms and Systems, 2022 – Present;

Co-Chair, Communications of the ACM Special Section in East Asia & Oceania, 2022 – Present;

TPC Co-Chair, ACM UbiComp, 2020.

Membership and Offices in Related Organizations:

Member of ARC College of Experts, Australian Research Council (ARC), 2022 – Present;

Member, ACM UbiComp Steering Committee, 2020 – Present;

Member, IEA EBC Annex 79, 2018 – Present.

Awards Received:

Women in AI Awards 2022 Australia and New Zealand, 2022;

PACM IMWUT Distinguished Paper Award, 2020;

Humboldt-Bayer Fellowship, 2019;

Alexander von Humboldt Fellowship, 2019.

STATEMENT

I am honoured to have been nominated as the Vice Chair of SIGSPATIAL. This is an opportunity for me to give back to the community.

There are several issues that I am keen to support or facilitate the discussions on if elected:

1. Research reproducibility
2. Supporting early career researchers
3. Broadening participation
4. Communicating research outcomes and impact from SIGSPATIAL community

I am looking forward to working more closely with my fellow members of SIGSPATIAL.

Candidate for Vice Chair

Li Xiong
Emory University, Atlanta, GA, USA

BIOGRAPHY

Academic Background:

Ph.D., Georgia Institute of Technology, 2005, Computer Science.

Professional Experience:

Professor, Emory University, Atlanta, GA, USA, 2016 – Present;
Associate Professor, Emory University, Atlanta, GA, USA, 2012 – 2016;
Assistant Professor, Emory University, Atlanta, GA, USA, 2005 – 2012.

Professional Interest:

Privacy-Preserving Data Management and Machine Learning, Trustworthy Machine Learning, Spatiotemporal Data and Applications, Healthcare Data and Applications.

ACM Activities:

General Co-Chair, ACM CIKM Conference (SIGIR and SIGWEB), 2022;
Program Associate Editor, ACM SIGMOD Conference, 2022;
Program Co-Chair, ACM SIGSPATIAL Conference, 2020;
Program Co-Chair, ACM SIGSPATIAL Conference, 2018.

Membership and Offices in Related Organizations:

Sponsorship Ambassador, VLDB Endowment, 2022 – Present;
Co-Lead, NSF Virtual Organization for Computing in Pandemic Preparedness, 2020 – Present;
Associate Editor, IEEE Transactions on Knowledge and Data Engineering, 2016 – 2022.

Awards Received:

IEEE Fellow, 2022;
ACM Distinguished Member, 2019;
Best Paper Runner Up, IEEE Mobile Data Management Conference, 2018;
Best Paper Honorable Mention, the Web Conference, 2018.

STATEMENT

I'm honored to be nominated as a candidate for Vice Chair for SIGSPATIAL. It is an exciting time for our community as spatial data is becoming increasingly ubiquitous and critical for many applications ranging from pandemic preparedness to mobile services. If

elected, I will work with the committee to promote and support our community with a focus on the following.

- Increasing accessibility and diversity: I will help strengthen community building and outreach activities to attract more members and enable more participation of researchers from underrepresented groups and regions, e.g., travel awards and virtual participation to our conferences, mentoring and networking opportunities for women and other underrepresented groups.
- Bridging academic and industry/government research: I will advocate and support efforts to bridge academic and industry/government research. Besides soliciting industry sponsors for our SIGSPATIAL conference, I hope to help develop more long-term relationships between our community and industry/government sponsors and partners, e.g., tutorial programs outside conferences and recruiting channels.
- Promoting interdisciplinary collaborations: I'll help promote more interdisciplinary research and collaborations with related communities such as data management, data mining, machine learning, geography, and human computer interaction, e.g. through invited talks, tutorials and workshops.

Candidate for Secretary

Maria Luisa Damiani
University of Milan, Italy

BIOGRAPHY

Academic Background:

Ph.D., EPFL, 2007, Computer Science.

Professional Experience:

Full Professor, University of Milan, Italy, 2022 – Present;
Associate Professor, University of Milan, Italy, 2016 – 2022;
Assistant Professor, University of Milan, Italy, 2003 – 2016.

Professional Interest:

Mobility data science, Pervasive computing, Security and privacy in mobile applications,
Applications in animal ecology and cultural heritage.

ACM Activities:

General co-Chair @ SIGSPATIAL, 2023 – Present;
Workshop co-Chair @ SIGSPATIAL, 2021 – 2022;
Editorial Board Member, ACM TSAS, SIGSPATIAL, 2021 – Present;
Treasurer of the Executive Committee, SIGSPATIAL, 2020 – Present.

Membership and Offices in Related Organizations:

Co-Program Chair, IEEE MDM, 2023 – Present;
Advanced Seminars Co-Chair, IEEE MDM, 2022;
Editorial Board Member, IEEE Transactions on Dependable and Secure Systems,
2016 – 2022.

Awards Received:

Best Demo, SIGSPATIAL, 2015;
Best Demo, SIGSPATIAL, 2012;
Best Demo, DASFAA, 2013;
Best Paper runner up, SIGSPATIAL, 2009.

STATEMENT

I'm honored to have been nominated for Secretary of SIGSPATIAL. Since I attended my first SIGSPATIAL conference in 2008, I have been active in the community and SIGSPATIAL has progressively become my "home" conference.

I've co-organized the first workshop co-located with SIGSPATIAL (2008). Since then I've organized 8 workshops. The most recent is Hanimob, an interdisciplinary workshop across animal ecology and CS. I've also served in SIGSPATIAL as Demo co-Chair in 2016 and co-Workshop Chair in 2021 and 2022.

I will serve as General Chair in SIGSPATIAL 2023. This is the first time the conference will be held in Europe. I am excited about the opportunity of promoting SIGSPATIAL and hopefully contribute to the enlargement of the community in Europe.

I've been serving as Treasurer in the EC since 2020. I know how the EC works and how it can contribute to the SIGSPATIAL community. As Secretary, I would work with the other SIGSPATIAL officers to promote our field both within and outside the CS community. I would also work towards growing women participation and engagement in line with what other SIGs are doing.

Candidate for Secretary

Liyue Fan
UNC Charlotte, NC, USA

BIOGRAPHY

Academic Background:

Ph.D., Emory University, 2014, Computer Science & Informatics.

Professional Experience:

Assistant Professor, UNC Charlotte, NC, USA, 2019 – Present;

Assistant Professor, SUNY Albany, NY, USA, 2016 – 2019;

Postdoc, USC, Los Angeles, CA, USA, 2014 – 2016.

Professional Interest:

Artificial Intelligence, Location Privacy, Spatial Pervasive Computing, Health Applications.

ACM Activities:

Program Committee Member, ACM SIGSPATIAL, 2018 – 2022;

Program Committee Member, ACM SIGSPATIAL Student Research Competition, 2017 – 2022.

Membership and Offices in Related Organizations:

Big Spatial Data Topic Editor, Frontiers in Big Data, 2018 – 2021.

Awards Received:

NSF CAREER, 2022;

SIGSPATIAL Blue Sky Ideas Award, 2015.

STATEMENT

I'm honored to have been nominated for the position of Secretary of SIGSPATIAL. I first attended SIGSPATIAL in 2015 as a postdoc researcher. Since then, I have been active in the community, primarily as a researcher and in the last 5 years as a program committee member.

I believe SIGSPATIAL plays an important role in engaging various communities in GIS discussions that are increasingly interdisciplinary. I also believe SIGSPATIAL provides excellent training and development opportunities for students and early career researchers.

If elected, I will work closely with other elected officers to further strengthen the contributions of SIGSPATIAL to the broad research community. As Secretary, I will focus on facilitating communication and collaboration between our members and with other relevant communities, as well as enhancing the training of students and early career members.

Candidate for Treasurer

Ahmed Eldawy
University of California, Riverside, CA, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Minnesota, 2016, Computer Science.

Professional Experience:

Associate Professor, University of California, Riverside, CA, USA, 2022 – Present;
Assistant Professor, University of California, Riverside, CA, USA, 2016 – 2022.

Professional Interest:

Big Spatial Data, Data Science, Visualization, Data Exploration.

ACM Activities:

Treasurer, SIGSPATIAL Conference, 2022;
Local Arrangements Chair, SIGSPATIAL Conference, 2017 – 2018;
Local Arrangements Chair, Symposium on Cloud Computing (SoCC), 2018;
Proceedings Chair, SIGMOD Conference, 2018.

Membership and Offices in Related Organizations:

Registration Chair, VLDB, 2019;
PC Co-chair, International Symposium on Spatial and Temporal Databases, SSTD, 2021;
Publicity Co-chair, Mobile Data Computing, MDM, 2022.

Awards Received:

Best Demo Award, ACM SIGSPATIAL, 2020;
Best Poster Presentation, ACM SIGSPATIAL, 2017;
Best Paper Award in SpatialGems Workshop @SIGSPATIAL, 2019;
Best Vision Paper Runner-up, ACM SIGSPATIAL, 2015.

STATEMENT

I am honored to be nominated for the position of Treasurer for ACM SIGSPATIAL. As a member of the SIGSPATIAL community for the past few years, I have had the opportunity to serve in various positions for the SIGSPATIAL conference and I always enjoy serving this community.

I am particularly proud of initiatives I made recently to promote the growth of research on spatial data including UCR-Star, UCR-Spider, and the SpatialAPI workshop which I started back in 2019. Throughout the years, I have found SIGSPATIAL to be one of the most supportive environments for young researchers from diverse backgrounds, which makes me proud to be part of this community. As Treasurer, I would bring my experience and dedication to the role, working closely with the other members of the Executive Committee to ensure that SIGSPATIAL's financial affairs are managed effectively and transparently. I am committed to supporting the group's mission and goals, and to helping it continue to thrive and grow. Thank you for considering me for this important position.

Candidate for Treasurer

Farnoush Banaei-Kashani
University of Colorado Denver, CO, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Southern California, 2007, Computer Science.

Professional Experience:

Associate Professor, University of Colorado Denver, CO, USA, 2021 – Present;
Assistant Professor, University of Colorado Denver, CO, USA, 2014 – 2021;
Research Associate, University of Southern California, Los Angeles, CA, USA,
2007 – 2014.

Professional Interest:

Spatial Data Management and Mining, Machine Learning in Earth Sciences,
Machine Learning in Transportation Systems, Big Data Management and Mining,
Data Science.

ACM Activities:

Senior PC Member, ACM SIGSPATIAL, 2021 – 2022;
Tutorial Chair, ACM SIGSPATIAL, 2020;
General Co-Chair, ACM SIGSPATIAL, 2018 – 2019;
Publicity and Sponsorship Chair, ACM SIGSPATIAL, 2015 – 2017.

Membership and Offices in Related Organizations:

PC Member, SIGMOD, 2023 – 2024;
Professional Member, IEEE, 2014 – Present;
Guest Editor, Geoinformatica, 2011.

Awards Received:

Certificate of Appreciation for Service, ACM SIGSPATIAL, 2015 and 2019;
Best Paper Award at DMBIH, 2019;
Best Paper Award at ACM SenSys, 2016;
Best Paper Award at IEEE CloudCom, 2010.

STATEMENT

I am honored to have been nominated for the SIGSPATIAL Treasurer position. I began my research career in spatiotemporal databases. While I have developed interest in other data management and knowledge discovery areas, I still consider

ACM SIGSPATIAL as my “home” conference. To highlight my interest in serving SIGSPATIAL, among other activities:

During the last two years, I served as General Co-Chair for the ACM SIGSPATIAL Conference, when we recorded the top two highest participation numbers with up to 15% increase over the next highest record, doubled participation from industry, and attracted three and four major (platinum-level) sponsors for the first time in the history of the conference in 2018 and 2019, respectively.

I have also served as Publicity and Sponsorship Co-Chair, and I have co-organized a total of 6 workshops in conjunction with SIGSPATIAL. Our community is intrinsically multi-disciplinary, bringing together researchers and practitioners from various fields. I believe this is not only an invaluable feature but also provides a unique opportunity to expand and enrich the community. As Treasurer, I would work with other SIGSPATIAL officers to promote our field both within and outside the geo and computer science communities by effectively leveraging this opportunity.