

Candidate for Chair

Amarda Shehu
National Science Foundation, Alexandria, VA, USA

BIOGRAPHY

Academic Background:

Ph.D., Rice University, 2008, Computer Science.

Professional Experience:

Program Director (IPA), National Science Foundation, Alexandria, VA, USA,
2019 – Present;
Co-Director of Transdisciplinary Center for Advancing Human-Machine Partnerships,
George Mason University, Fairfax, VA, USA, 2019 – Present;
Professor of Computer Science, George Mason University, Fairfax, VA, USA,
2018 – Present.

Professional Interest:

Stochastic Optimization on High-dimensional Variable Spaces, Modeling complex dynamic systems in the presence of constraints, Integrative Studies of Genomic, Interaction, and Structure Data, Generative Neural Networks for Molecular Biology, Macromolecular Structure, Equilibrium Dynamics, and Function.

ACM Activities:

General Chair, 9th ACM BCB Conference, 2018;
Program Committee Chair, 8th ACM BCB Conference, 2017;
Tutorial Co-Chair, 5th ACM BCB Conference, 2014;
Local Area/Arrangements Co-Chair, 4th ACM BCB Conference, 2013.

Membership and Offices in Related Organizations:

Chair, ACM/IEEE TCBB Steering Committee, 2018 – Present;
Associate Editor, ACM/IEEE TCBB, 2017;
Program Committee Chair, IEEE BIBM, 2015.

Awards Received:

IEEE BIBM Best Student Paper Award, 2014;
NSF CAREER Award, 2012;
Honorable Mention, Humies/Human-Competitive Results, ACM GECCO, 2012.

STATEMENT

I built much of my identity around ACM SIGBio since its inception. In addition to visible roles, some of my most fulfilling work has been behind the scenes; contributing articles and ideas to enhance the newsletter content and visibility, adding regularly to ACM BCB workshops and tutorials, bringing in collaborators and students into our community, supporting the women in Bioinformatics activity yearly, and helping wherever and with whatever asked. I deeply believe in the mission of ACM SIGBio. If elected Chair, I will bring the same deep commitment and attitude of rolling up my sleeves to support our mission: to improve our ability to develop advanced research, training, and outreach by stimulating interactions among multi-disciplinary fields.

Due to my breadth of research, I am intimately familiar with related organizations, such as ACM KDD, ACM GECCO, IEEE BIBM, RECOMB, ISMB, etc. I will bring this knowledge and will foster a collaborative and inclusive environment, engaging the Executive Committee, ACM, and our members at large, to further increase our growth and visibility, increase collaboration with other related organizations, enhance education and mentoring activities, engage our members more deeply from conceptualization to decision making, and meaningfully champion diversity.

Candidate for Chair

May Dongmei Wang
Georgia Institute of Technology, Atlanta, Georgia, USA

BIOGRAPHY

Academic Background:

Ph.D.EE, MSCS, Georgia Institute of Technology, 2000, 1995, Multimedia Computing for Communication.

Professional Experience:

Tenure-Track Assistant, Associate, and Full Professor, Georgia Institute of Technology, Atlanta, Georgia, USA, 2002 – Present;
Research Engineer II, Georgia Institute of Technology, Atlanta, Georgia, USA, 2002;
Member of Technical Staff, Lucent Technologies Bell Labs and Agere Systems, Atlanta, Georgia, USA, 1999 – 2001.

Professional Interest:

Bioinformatics & Next Gen Sequencing Algorithm (w/ FDA), Multi-omic Integration & Genotyping for Precision Health, EHR Health Informatics and Computational Phenotyping, Sensor Informatics for Personalized Medicine, Imaging Informatics and AI in Medicine.

ACM Activities:

ACM Bioinfo, Comp Bio, Health Info Conference Co-Chair, ACM SIGBio, 2019 – 2020;
ACMBCB Annual Conf. Steering Committee Co-Chair, ACM SIGBio, 2015 – Present;
ACMBCB Annual Conf. Student Travel NSF Award Chair, ACM ACM SIGBio, 2015 – Present;
ACMBCB Annual Conf. Women in Bioinfo, Diversity & Inclusion Chair, ACM SIGBio, 2012 – Present.

Membership and Offices in Related Organizations:

Standing Panelist, NIH Biocomputing and Health Informatics Panel, 2019 – Present;
Chair & Member, Bioinformatics Fellow Nomination Committee, American Institute of Medical and Biological Engineering, 2017 – Present;
Senior Editor, Journal of Biomedical and Health Informatics, 2014 – Present.

Awards Received:

Best Paper Award by IEEE Computer Society Conf. CompSAC, 2020;
ACM Service Award for Serving as 2015 ACMBCB Conference Co-Chair, 2015;
Millie Award for Highly Cited Paper by Emory Univ & AIMBE Fellow, 2015;
Georgia Tech Outstanding Faculty Award & Georgia Cancer Scholar, 2005.

STATEMENT

I am honored to run for the SIGBio Chair position.

As an active SIGBio volunteer, I cochaired SIGBio flagship conferences ACMBCB2015 and ACMBCB2020. Since 2012, I have organized 7 annual Women in Bioinformatics panels (50+ academic, government, and industry panelists), and managed 5 NSF proposals supporting 100+ students to attend ACMBCB. Outside of ACM, I served as Vice President in IEEE EMB Society, and the AIMBE Fellow Nomination Bioinformatics Committee chair until 2019.

My Bioinformatics and Health Informatics career highlights include: 240+ referred articles published, directed the Biocomputing and Bioinformatics Core in one National Center of Cancer Nanotechnology Excellence, directed GT Biomedical Informatics Program in one CTSA, and led NGS Bioinformatics Algorithm Study with FDA. I am the Senior Editor of Journal of Biomedical and Health Informatics (IF=5.23), a NIH Biocomputing Health Informatics standing panelist, and a NIH COVID19-RADx WG member.

SIGBio has grown significantly under the past leadership. If elected, I will work with all to increase international membership; to increase SIGBio research impact (ACMBCB proceeding in PUBMED); to establish more partnerships; and to train future leadership. Jointly, we will keep growing SIGBio to become one of the most influential SIGs in ACM with bigger reputation and impact.

Candidate for Vice-Chair

Ananth Kalyanaraman
Washington State University, Pullman, WA, USA

BIOGRAPHY

Academic Background:

Ph.D., Iowa State University, 2006, Computer Engineering.

Professional Experience:

Professor, Washington State University, Pullman, WA, 2018 – Present;
Senior Scientist, Pacific Northwest National Laboratory, Richland, WA, 2020 – Present;
Associate Professor, Washington State University, Pullman, WA, 2012 – 2018.

Professional Interest:

Bioinformatics and computational biology; High performance computing; Graph algorithms and analytics, Parallel algorithms.

ACM Activities:

ACM-BCB 2020 General Co-chair, SIGBio, 2020;
ACM-BCB Track co-chair, SIGBio, 2017;
ACM-BCB Workshop chair, SIGBio, 2014 – 2016;
ACM-BCB Publicity chair, SIGBio, 2015.

Membership and Offices in Related Organizations:

Vice-chair, IEEE TCPP, IEEE Technical Committee on Parallel Processing,
2018 – Present;
Associate Editor, ACM/IEEE Transactions on Computational Biology and Bioinformatics,
2018 – Present.

Awards Received:

Best Student Paper Award, ACM-BCB 2016;
IEEE HPEC/DARPA/MIT Graph Challenge Champion, 2017;
Best Paper Award, ACM/IEEE NOCS 2019;
DOE Early Career Research Award, 2011.

STATEMENT

It gives me immense pleasure to be nominated for Vice-Chair of ACM SIGBio. I have been closely associated with the ACM SIGBio community over the past 10 years. Bioinformatics, biomedical health informatics, and computational biology represent an emerging area with a clear potential to transform our society. The SIGBio community

has been at the forefront of research development and application in this area. It is a wonderful community with a unique combination of researchers and practitioners, and an amazing set of student volunteers and next generation scientists.

In my tenure as Vice-Chair, I will work hard to help realize the full potential of the SIGBio community, expand and diversify its membership portfolio, and contribute to efforts that can have a significant impact on our next generation of researchers, scientists, and practitioners. I will work closely with the SIGBio leadership including the elected President of the society to help shape the vision and future of SIGBio for the next decade. I am confident that the years of my experience and association with SIGBio activities, including its flagship conference, ACM-BCB, has prepared me well for taking on this important responsibility and will guide me through this collaborative community effort.

Candidate for Vice-Chair

Mario Cannataro
University of Catanzaro, Italy

BIOGRAPHY

Academic Background:

M.Sc. Degree Magna cum Laude, University of Calabria, 1993, Computer Science.

Professional Experience:

Full Professor, University of Catanzaro, Italy, 2016 – Present;
Associate Professor, University of Catanzaro, Italy, 2002 – 2016;
Senior Researcher, Italian National Research Council (CNR), Rende, Italy, 1998 – 2002.

Professional Interest:

Bioinformatics, Biomedical Informatics, Data Mining, Artificial Intelligence, Parallel Computing.

ACM Activities:

Associate Editor, IEEE/ACM Trans. on Comp. Biol. and Bioinf., ACM, 2018 – Present;
Member of the Board of Directors (SIGBIO Membership since 2011), SIGBIO, 2015 – Present;
Chair of ParBio at ACM-BCB (9 editions), SIGBIO, 2012 – Present;
ACM Senior Member (ACM Member from 1996 to present), ACM, 2009 – Present.

Membership and Offices in Related Organizations:

Editor of the Encyclopedia of Bioinformatics and Comp. Biology, Elsevier, 2016 – Present;
IEEE Senior Member (IEEE Computer Society Membership since 1994), IEEE, 2014 – Present;
Editorial Board Member of Briefings in Bioinformatics journal, Oxford University Press, 2012 – Present.

Awards Received:

Best Poster Award at ACM-BCB 2013 Conference., 2013;
Winner of a national startup competition: EASYANALYSIS, 2010;
Winner of a national startup competition: VASCUSIM, 2008.

STATEMENT

I am honored to have been asked to run for the SIGBio Vice-Chair position. I have been an ACM member for over two decades and I am serving SIGBio as Director and as

Workshop organizer at the ACM-BCB conference. My experience in these positions has prepared me well for serving you and SIGBio as Vice Chair.

SIGBio has made significant impact over the past decade by attracting new members and establishing ACM-BCB, our flagship conference. SIGBio must continue to develop its strategy by favoring growth in new regions (especially Europe) and providing clear benefits and new services to existing members. This requires a better comprehension of diverse educational, professional and cultural contexts and connection with local communities.

If elected Vice Chair, I will work to attract new members while recognizing the value and ideas of existing members, to promote volunteer activities, to extend the services offered through the SIGBio web site and newsletter, and to promote SIGBio benefits at European level, through local societies, conferences, and social networks.

If elected as Vice Chair, I will work with each member to ensure that ACM SIGBio remains the leading special interest group on bioinformatics, computational biology, and biomedical informatics.

Candidate for Treasurer

Byung-Jun Yoon
Texas A&M University, College Station, TX, USA

BIOGRAPHY

Academic Background:

Ph.D., California Institute of Technology, 2007, Electrical Engineering.

Professional Experience:

Associate Professor, Texas A&M University, College Station, TX, 2014 – Present;
Scientist, Brookhaven National Laboratory, Upton, NY, 2019 – Present;
Assistant Professor, Texas A&M University, College Station, TX, 2008 – 2014.

Professional Interest:

Bioinformatics, Computational Biology, Biological Network Analysis, Machine Learning, Signal Processing.

ACM Activities:

Program Committee Chair, CNB-MAC Workshop (organized in conjunction with ACM BCB), 2014 – Present.

Membership and Offices in Related Organizations:

Associate Editor, BMC Bioinformatics, 2016 – Present;
Editorial Board Member, Scientific Reports, 2014 – Present;
Academic Editor, PLOS ONE, 2016 – Present.

Awards Received:

NSF Faculty Early Career Development (CAREER) Award, 2012;
Best Paper Award, 12th Annual MCBIOS Conference, 2015;
Best Paper Award, 9th Asia Pacific Bioinformatics Conference, 2011.
Student Led Award for Teaching Excellence (SLATE), Texas A&M, 2009.

STATEMENT

It is my pleasure and honor to have been asked to run for SIGBio Treasurer. I have been involved in various activities in ACM SIGBio, where I have been actively interacting with members of the community sharing research findings and ideas and building collaborations. Since 2014, I have been organizing the International Workshop on Computational Network Biology (CNB-MAC) as the program chair, in conjunction with the ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM-BCB). CNB-MAC has partnered with Springer Nature for publishing

the workshop papers in their open access journals, allowing fast and wide dissemination of the research findings from the SIGBio community. CNB-MAC has secured NSF support to provide travel grants to many students, contributing to the growth of SIGBio, where efforts have been made to attract underrepresented minorities to advance the diversity of the SIGBio community. My experience as the CNB-MAC Program Chair has prepared me well to serve as the SIGBio Treasurer, and I am excited about the opportunity to serve. My vision is to keep SIGBio a lively, diverse, and growing community, which continues to lead the international research community.

Candidate for Treasurer

Xuan Guo
University of North Texas, Denton, TX, USA

BIOGRAPHY

Academic Background:

Ph.D., Georgia State University, 2015, Computer Science.

Professional Experience:

Assistant Professor, University of North Texas, Denton, TX, 2017 – Present;
Post-doc Research Associate, Oak Ridge National Laboratory, Oak Ridge, TN,
2015 – 2017.

Professional Interest:

Bioinformatics, Computational genomics and proteomics, Machine Learning,
Cloud Computing.

ACM Activities:

Member, ACM (including SIGBio), 2020 – Present.

Membership and Offices in Related Organizations:

Member, American Society of Human Genetics, 2018 – Present;
Program Chair, IEEE International Conference on Smart City Innovations (SCI), 2021;
Guest Editor, IEEE/ACM Transactions on Computational Biology and Bioinformatic, 2020.

Awards Received:

Best reviewer award, Intel. Conf. on Data Mining (DMKD), 2020.

STATEMENT

I am hugely honored to have been nominated for Treasurer of SIGBio. I have significant experience organizing and managing the budgets for events: I have co-organized a total of four conferences and two workshops. I served as lead PI on an NIH grant which funded student travel to the ACM BCB and other conferences and workshops. If elected, I will focus on ensuring that we have a solid financial foundation and remain within financial constraints, but also work towards growing the community. As Treasurer, I would work with the other SIGBio officers to support advanced research, training, and outreach in Bioinformatics, Computational Biology, and Biomedical Informatics.

Candidate for Board of Directors

Christina Boucher
University of Florida, Gainesville, FL, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Waterloo, 2010, Computer Science.

Professional Experience:

Associate Professor, University of Florida, Gainesville, FL, 2020 – Present;
Assistant Professor, University of Florida, Gainesville, FL, 2016 – 2020;
Assistant Professor, Colorado State University, Fort Collins, CO, 2012 – 2016.

Professional Interest:

Bioinformatics, Antimicrobial Resistance, Pan-genomics, Data Structures, Graph Algorithms.

ACM Activities:

Editorial Board, ACM/IEEE TCBB, 2019 – Present;
Program Committee Chair, ACM-BCB 2018, 2017 – 2018;
Track Chair, ACM-BCB 2017, 2016 – 2017;
Panel Speaker, ACM-BCB 2017 Women in Bioinformatics Workshop, 2017.

Membership and Offices in Related Organizations:

Editorial Board, BMC Bioinformatics, 2020 – Present;
Program Committee Chair, SPIRE 2020, 2019 – 2020;
Program Committee Member, RECOMB 2020, RECOMB 2019, 2019 – 2020.

Awards Received:

ESA Best Paper Award, 2015;
TILT Teaching Fellow, Colorado State University, 2013;
NSERC Postdoctorate Fellow, 2012;
Google Anita Borg Scholarship, 2008.

STATEMENT

I feel honoured to be nominated as a candidate for a position on the Board of Directors in the 2021 ACM SIGBio Election. I am very committed to the bioinformatics community, as well as the data structures and algorithms committee. I have been the program committee chair for four conferences, on a program committee member for another 18 conferences, and a keynote speaker for three conferences since 2016. In addition to this conference service, I am a member of the Editorial Board for ACM/IEEE TCBB, and

BMC Bioinformatics. I am very dedicated to the diversity of bioinformatics; I am a member of the University of Florida's Implicit Bias Committee, Colorado State University's Diversity Committee, Faculty advisor to ACM-W chapter, and a Panel Speaker for the Women in Bioinformatics Workshop at ACM-BCB in 2017. I would be an active member of the Board of Directors position, and would work towards seeing ACM SIGBio membership grow, strengthening the flagship conferences (e.g., ACM BCB), and looking for ways to diversify the bioinformatics and computer science community.

Candidate for Board of Directors

Jake Y. Chen
University of Alabama at Birmingham, AL, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Minnesota, 2001, Computer Science.

Professional Experience:

Professor of CS, Genetics, and Biomed Engineering (tenured), University of Alabama at Birmingham, AL, USA, 2016 – Present;

Chief Bioinformatics Officer, University of Alabama at Birmingham, AL, USA, 2016 – Present;

Associate Professor (tenured), Indiana University - Purdue University Indianapolis, Indianapolis, IN, USA, 2010 – Present.

Professional Interest:

Bioinformatics, Biological Data Mining, Biomedical Data Science, In Silico Drug Discovery, Data Visualization.

ACM Activities:

Chair, ACM BOKDD Workshop at KDD, 2006 – Present.

Membership and Offices in Related Organizations:

President-elect, MidSouth Society for Computational Biology and Bioinformatics, 2019 – Present;

Senior Member, International Society for Computational Biology, 2019 – Present;

Working Group Steering Committee, American Medical Informatics Association, 2018 – Present.

Awards Received:

Fellow, American Institute of Medical and Biological Engineering, 2021;

Fellow, American Medical Informatics Association, 2020;

Fellow, American College of Medical Informatics, 2019;

Top 100 AI Leaders in Drug Discovery and Advanced Healthcare, 2019.

STATEMENT

I have been a Lifetime and Senior Member of ACM since 2009. I have been organizing BOKDD Workshop at ACM KDD since 2007. Currently, I also serve as President-elect of the MidSouth Computational Biology and Bioinformatics Society (MCBIOS) – a professional organization focusing on promoting bioinformatics training and research in

the underprivileged ten southern states in the US. I have led translational bioinformatics research in biology and medicine for the past 25 years, resulting in over 180 peer-reviewed publications and 200 invited talks on bioinformatics and biocomputing worldwide. I have edited books including "Biological Data Modeling" and "Biological Data Mining". I am serving on the editorial boards of the Journal of American Medical Informatics Association (JAMIA), BMC Bioinformatics, and Frontiers in Artificial Intelligence. I have also extensive experience serving both as a panelist at NIH, DOD, and NSF, and as an entrepreneur to promote computations in precision medicine.

I believe my experience will help SIGBio expand its outreach in the southern United States and other professional organizations, e.g., ISCB, AMIA, and MCBIOS.

Candidate for Board of Directors

Nurit Haspel
University of Massachusetts Boston, MA, USA

BIOGRAPHY

Academic Background:

Ph.D., Tel Aviv University, 2007, Computer Science.

Professional Experience:

Associate Professor, University of Massachusetts Boston, MA, 2009 – Present;
Affiliated researcher (sabbatical), Boston University, Boston MA, 2016 – 2017;
Postdoctoral research associate, Rice University, Houston, TX, 2007 – 2009.

Areas of Professional Interest:

Structural Bioinformatics, Artificial Intelligence, Protein folding and dynamics,
Protein-Protein interaction, Deep learning.

ACM Activities:

ACM-BCB General Co-Chair, SIGBio, 2017;
IEEE/ACM TCBB editorial board member, 2017 – Present.

STATEMENT

I am honored to be nominated for the ACM SIGBio Board of Directors. I have been an ACM member for over a decade. I served as a General Co-Chair of ACM-BCB, the SIGBio flagship conference, in 2017. I also serve on the editorial board of ACM/IEEE Transactions on Computational Biology and Bioinformatics (TCBB). SIGBio has played a tremendous role in my professional development and in creating a vibrant, active community of excellent researchers and wonderful colleagues. I am excited to further support our community by serving on the Board of Directors.

Candidate Board of Directors

Ovidiu Daescu
University of Texas at Dallas, Richardson, TX, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Notre Dame, 2000, Computer Science and Engineering.

Professional Experience:

Professor, University of Texas at Dallas, Richardson, TX, 2012 – Present;
Associate Department Head, University of Texas at Dallas, Richardson, TX,
2009 – Present;
Associate Professor, University of Texas at Dallas, Richardson, TX, 2006 – 2012.

Professional Interest:

Biomedical Algorithms, Biomedical Informatics, Applied Machine Learning,
Data Science, Computational Geometry.

Membership and Offices in Related Organizations:

Editorial Board Member, Experimental Biology and Medicine, 2010 – 2016;
Member, IEEE-CS, 2008 – 2021;
Member, Society for Experimental Biology and Medicine, 2010 – 2019.

STATEMENT

It would be a great privilege to have the opportunity to serve SIGBio as a member of the Board of Directors. The integration of computational methods in biomedicine will shape the next few decades in ways that we can only start to comprehend. To get there, I encourage high quality multi-disciplinary research and sharing of data, while also engaging the end users of our research through participation in Conferences and related events. I have a vast experience collaborating with diverse groups of medical professionals and I will leverage this experience to our SIGBio community. My research is focused on applying algorithmic optimization methods to bio-medical computing problems while pursuing them from theory to implementation to application. I have been involved with bio-medical conferences, including as organizer and General Chair for the International Symposium on Bioinformatics Research and Applications, 2012, and Program Committee Co-Chair in 2017. I envision SIGBio as an engaging, dynamic, and diverse group of students, faculty, and computing professionals that address the most challenging problems. I am passionate about facilitating access for students to conferences and workshops, nurture early careers of faculty, and promote ACM SIGBio nationally and internationally through meaningful conferences.

Candidate for Board of Directors

Peter L. Elkin
University at Buffalo, NY, USA

BIOGRAPHY

Academic Background:

M.D., New York Medical College, 1985, Medicine.

Professional Experience:

Board Member, ABPM, Clinical Informatics, Chicago, IL, 2013 – Present;
Professor and Chair, University at Buffalo, Department of Biomedical Informatics,
Buffalo, NY, 2013 – Present;
iEC Board, NIH NCATS, National, 2021 – Present.

Professional Interest:

Biomedical Informatics, Artificial Intelligence and Machine Learning, Clinical Decision Support, Natural Language Processing, Ontology.

Membership and Offices in Related Organizations:

Director, IEEE, EBMS-ADCOM, 2020 – Present.

Awards Received:

Fellow of International Academy of Health Science Informatics, 2019;
Master of the American College of Physicians, 2009;
Fellow of the American Medical Informatics Association, 2006;
Homer R. Warner Award for Outstanding contribution to Informatic, 1998.

STATEMENT

Dr. Elkin serves as Professor and Chair of UB Department of Biomedical Informatics and has an appointment as a Professor of Engineering at the University of Southern Denmark. Dr. Elkin published over 200 peer reviewed publications and book chapters. He received his BS from Union College and his MD from New York Medical College. His NIH/NLM sponsored fellowship in Medical Informatics at Harvard Medical School and the Massachusetts General Hospital. Dr. Elkin has been researching health big data science since 1987. Dr. Elkin is a Master of the American College of Physicians and a Fellow of the American College of Medical Informatics and a Fellow of the New York Academy of Medicine. He was awarded the Mayo Department of Medicine's Laureate Award for 2005. Dr. Elkin is the index recipient of the Homer R. Warner award for outstanding contribution to the field of Medical Informatics. Dr. Elkin is an internationally renowned expert in knowledge representation, ontology, natural language processing

and health IT standards. Dr. Elkin in 2018 received the Team Science Award from NCATS and was elected an inaugural fellow of the American Medical Informatics Association for Clinical Informatics excellence and has been elected to the International Academy of Health Sciences Informatics. He has served on the program committee for many ACM meetings.

Candidate for Board of Directors

Sun Kim
Seoul National University, Seoul, Korea

BIOGRAPHY

Academic Statement:

Ph.D., University of Iowa, 1998, Computer Science.

Professional Experience:

Professor/Director, Seoul National University, Seoul, Korea, 2011 – Present;
Professor/Chair, Indiana University, Bloomington, IN, USA, 2001 – 2011;
Senior Computer Scientist, DuPont Central Research, Wilmington, DE, USA, 1998 – 2001.

Professional Interest:

Bioinformatics, AI-based drug discovery, Cancer genomics, Machine learning, Graph analysis.

ACM Activities:

Associate Editor-in-Chief, IEEE/ACM TCBB, 2018 – 2021;
Board of Directors, ACM SIG Bioinformatics, 2010 – 2012;
Program Chair, ACM BCB Conference, 2011.

Membership and Offices in Related Organizations:

Editor (Bioinformatics), Methods journal (Elsevier), 2014 – 2021;
Conference chair, Asia-Pacific Bioinformatics Conference, 2020;
Vice chair for education, IEEE Technical Committee on Computational Life Sciences (TCCLS), 2009 – 2015.

Awards Received:

KOREA Award for the contribution to the advance of science, 2021;
Outstanding Junior Faculty Award, Indiana University Bloomington, 2004;
CAREER Award, US National Science Foundation, 2003;
Achievement Award, DuPont Central Research, Delaware, USA, 2000.

STATEMENT

I am honored to be nominated for the Board of Directors of ACM SIG Bioinformatics. I have been involved in SIGBio from the beginning, as one of the founding Board of Directors and an organizer of ACM BCB conference in 2011, and then as Associate Editor-in-Chief of TCBB journal since 2019. I am well prepared for the Board of Directors from my experience in these positions.

ACM SIGBio has made significant impact since its inception in 2010. Now, BCB conference is one of the major conferences in bioinformatics and TCBB is a major journal in bioinformatics. SIGBio has made great efforts to extend its scope to health.

If elected, I am excited to participate in developing strategic plans for the next decade of SIGBio. In short, my contribution would be to extend SIGBio geographically and discipline-wise. ACM BCB has been successful, but it has never been outside the US. To extend the SIGBio community, I can help host ACM BCB outside the US for the first time. In addition, I can help promote TCBB by strengthening the interdisciplinary nature of the journal while keeping the current strength in its technical depth.

Candidate for Board of Directors

Xinghua Shi
Temple University, Philadelphia, PA, USA

BIOGRAPHY

Academic Background:

Ph.D., The University of Chicago, 2008, Computer Science.

Professional Experience:

Associate Professor, Temple University, Philadelphia, PA, 2019 – Present;
Core Faculty, Temple University, Philadelphia, PA, 2019 – Present;
Assistant Professor, University of North Carolina at Charlotte, Charlotte, NC, 2013 – 2019.

Areas of Professional Interest:

Bioinformatics, Computational Biology, Machine Learning, Privacy and Security,
Biomedical Data Science.

ACM Activities:

Associate Editor, IEEE/ACM TCBB, 2020 – Present;
Technical Program Committee Member, ACM BCB, 2016 – Present;
General Chair, ACM BCB, 2019;
Proceeding Chair, ACM BCB, 2014 – 2018.

Membership and Offices in Related Organizations:

Technical Program Committee Member, ACM SIGKDD, 2020 – Present;
Program Chair, ICIBM , 2020 – 2021;
Publication Chair, BIGCOM, 2015.

Awards Received:

NSF CAREER Award, 2018;
Essam El-Kwae Student-Faculty Research Award at the UNCC, 2016;
ACM SIGBio Best Student Paper Award, 2014;
IEEE BIBM Best Overall Paper Award, 2013.

STATEMENT

I am honored to run for a position on the Board of Directors for ACM SIGBio. I have been a member and active volunteer of ACM SIGBio and served as the Proceeding Chairs and General Chair of the SIGBio flagship conference ACM BCB in the last decade. I participated in promoting diversity of ACM SIGBio, since my early involvement as a panelist for the Women in Bioinformatics panel in 2014. I have served on program

committees of various ACM conferences (e.g. SIGKDD) and other organizations (e.g. program chairs of ICIBM 2020-21). My experiences in these positions have prepared me for serving ACM SIGBio as a member of the Board of Directors.

ACM SIGBio has made significant impact on the intersection of computer science and life sciences. With the growing importance of computing, I foresee that SIGBio plays a more critical role in spearheading research and education in this multi-disciplinary area and more inclusive to promote diversity in future workforces. If elected as a member of the Board of Directors, I will work with organizers and active members of SIGBio to ensure that it remains the leading special interest group on Bioinformatics, Computational Biology, and Biomedical Informatics.

Candidate Board of Directors

Yi Pan
Georgia State University, Atlanta, GA, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Pittsburgh, 1991, Computer Science.

Professional Experience:

Regents' Professor, Georgia State University, Atlanta, GA, 2015 – Present;
CS Chair/Biology Chair, Georgia State University, Atlanta, GA, 2005 – 2020;
Distinguished Professor, Georgia State University, Atlanta, GA, 2013 – 2015.

Professional Interest:

Bioinformatics, Machine Learning, Cloud Computing, Health Informatics, Big Data Analytics.

ACM Activities:

Associate Editor-in-Chief, IEEE/ACM Transactions on Computational Biology and Bioinformatic, 2020 – Present;
General Co-Chair, 2013 IEEE/WIC/ACM International Conf. on Intelligent Agent Tech, 2013;
General Co-Chair, 2013 IEEE/WIC/ACM International Conference on Web Intelligence, 2013;
Board of Directors, ACM SIGBioinformatics (former SIGBIO), 2010 – 2014.

Membership and Offices in Related Organizations:

President, Shenzhen Robotics Society, 2021;
Executive Committee Member, IEEE CS Technical Committee on Scalable Computing, 2004 – 2005;
Secretary, IEEE Computer Society Dayton Chapter, 1996 – 1997.

Awards Received:

2020 Outstanding Engineer Award, IEEE Atlanta Section, 2020;
IEEE Outstanding Leadership Award, IEEE Intl Cong. Cybernetics, 2019;
Elected Fellow of Royal Society of Public Health, 2019;
Outstanding Service Award, Korea Information Processing Society, 2018.

STATEMENT

I am honored to have been nominated for a member on the SIGBio Board of Directors. My research background is mainly in bioinformatics and health informatics. I have served as a Chair of computer science and biology at GSU for the last 16 years. I have served as an editor-in-chief or editorial board member for 20 journals. I have previously served on the Board of Directors of ACM SIGBioinformatics. Currently, I am an Associate EIC of IEEE/ACM TCBB. Hence, I have rich experience in managing organizations, editing journals, and organizing conferences, especially in interdisciplinary areas related to both computer science and biology. My experience in these varied positions has prepared me well for serving you, and ACM SIGBio, as a member on the Board of Directors.

ACM SIGAPP has made a lot of progress in promoting and attracting new members through ACM BCB, IEEE/ACM TCBB and its newsletters. How to expand its influence around the world and in related industries is its next major goals. If elected, I will promote ACM SIGBio and BCB to different cultures and areas and to keep SIGBio as the major organization in bioinformatics and health informatics in the world.