

## Candidate for Chair

Alison Clear  
Eastern Institute of Technology, Auckland, New Zealand

### **BIOGRAPHY**

#### Academic Background:

Post Graduate Diploma, Waikato Polytechnic, 1997, Computer based Learning.

#### Professional Experience:

Associate Professor, Eastern Institute of Technology, Auckland, New Zealand,  
2014 – Present;  
Campus Director, Eastern Institute of Technology, Auckland, New Zealand,  
2015 – 2019;  
Chair of Department, Christchurch Polytechnic Institute of Technology, Christchurch,  
New Zealand, 2009 – 2014.

#### Professional Interest:

Computing Curriculum Development, Computers and Society, Underrepresented groups in computing, Computer privacy and security, Online learning in computing.

#### ACM Activities:

Board Member, SIGCAS, 2020 – Present;  
Board Member, SIGCSE, 2012 – 2015;  
Vice Chair, SIGCSE, 2006 – 2009;  
Board Member, SIGCSE, 2003 – 2006.

#### Membership and Offices in Related Organizations:

Fellow, IT Professionals New Zealand, 2000 – Present;  
Fellow, Computing and Information Technology Research and Education NZ,  
1999 – Present;  
Chair, NACCQ/CITRENZ, 1990 – 2005.

#### Awards Received:

ACM Distinguished Member, 2021;  
Life-Time Service award SIGCSE, 2020;  
Best collaborative research CITRENZ, 2014;  
Research grant developing computing centers in the remote Andes, 2003.

### **STATEMENT**

It is an honor and privilege to stand for the Chair of SIGCSE. We have been through some turbulent times in the past few years, now we can look forward to a great demand for computing education. There are now so many opportunities for SIGCSE to grow and flourish and lead the way in the global recovery post-pandemic.

I have previously served as Vice Chair and Member at Large of SIGCSE and now look forward to building on that experience to lead this exciting SIG and its members into this bright future. SIGCSE must accept the challenges as we enter this new era of continuing relevance in the curriculum and its teaching. Strengthening the respect of industry for future computing graduates will be a critical focus.

I believe I have the experience and ability based on leadership of many research projects, conferences and mentoring faculty at national and international levels drawing on my significant experience in department chair roles and curriculum development work. My most recent project was leading the ACM/IEEE Computing Curriculum CC2020 Task Force charting the future for all computing curricula. I now have the time, energy, and passion to chair SIGCSE over the next three years.

## Candidate for Chair

Judith Gal-Ezer  
The Open University of Israel, Ra'anana, Israel

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Tel-Aviv University, 1978, Applied Mathematics.

#### Professional Experience:

Full Professor, The Open University of Israel, 2002 – Present;  
Vice President for Academic Affairs, The Open University of Israel, 1999 – 2005 and 2009 – 2012.

#### Professional Interest:

Computer Science (CS) education research, Curriculum design, Pre-service and in service (CS) teacher's education and training, Game environments for teaching computational problem solving, Machine learning and data science.

#### ACM Activities:

Member (representative of ACM Europe), Informatics for All Coalition, 2017 – Present;  
Member, ACM Education Advisory Committee, 2017 – Present;  
Vice Chair, ACM Europe Council, 2017 – 2019;  
Member, ACM Karl V. Karlstrom Award Committee, 2018 – Present.

#### Membership and Offices in Related Organizations:

Taylor Booth Award Committee, IEEE, 2017 – Present;  
International Director, CSTA, 2005 – 2008;  
Member, Advisory Council, CSTA, 2008 – 2020.

#### Awards Received:

ACM Fellow, 2021;  
ACM Karl V. Karlstrom Outstanding Educator Award, 2017;  
IEEE Taylor L. Booth Award, 2015;  
ACM SIGCSE Award, Outstanding Contribution to CS Education, 2007.

### **STATEMENT**

It is my great pleasure to run for Chair of ACM SIGCSE. After years of research emphasizing exploiting computers to teach Mathematics with more insight, and already

with a Ph.D., I took on CS studies and assisted in establishing the CS department at the Open University of Israel.

Since then, for over 30 years, I have been committed to CS education research and implication, particularly in introducing CS into schools. If elected as Chair of SIGCSE, I plan to continue making efforts to place CS on the same par as other scientific disciplines, if not on the same par as Math and Languages. In addition, I will strive to make SIGCSE more international, especially its flagship conference, the Technical Symposium. I will devote efforts to make ITiCSE the premiere European educational conference by trying to join with other smaller conferences. I will do my best to keep Inroads a high-level magazine and ACM conferences on a proper high level comparable to other computer science research conferences. I will not be able to achieve this on my own: I plan to work with all board members and whoever is willing to volunteer and assist in achieving the above-mentioned goals.

## Candidate for Vice-Chair

Brett A. Becker  
University College Dublin, Ireland

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University College Dublin, 2011, Computer Science.

#### Professional Experience:

Assistant Professor, University College Dublin, Ireland, 2015 – Present;  
Head of Computing Faculty, College of Computing Technology, Dublin, Ireland,  
2012 – 2015;  
Senior Lecturer, Griffith College, Dublin, Ireland, 2006 – 2012.

#### Professional Interest:

Computing Education, Sense of Belonging, Programming Education, Psychology of  
Programming, High Performance Computing.

#### ACM Activities:

Chair of Steering Committee, ACM CompEd, 2018 – Present;  
Co-Chair, ACM ITiCSE, 2021 – Present;  
Chair, Ireland ACM SIGCSE Chapter, 2019 – Present;  
Associate Editor, ACM Transactions on Education (TOCE), 2019 – Present.

#### Membership and Offices in Related Organizations:

Steering Committee Member, CS202X: ACM/IEEE-CS/AAAI Computer Science  
Curricula, 2021 – Present;  
Council Member, International Consortium for Educational Development (ICED),  
2018 – Present;  
President, All-Ireland Society for Higher Education (AISHE), 2018 – Present.

#### Awards Received:

Best Computing Education Research Paper, SIGCSE Tech. Symposium, 2021;  
Best Reviewed Paper, ACM ICER, 2020;  
Top 5 in 25 ACM ITiCSE Working Group Reports (1996-2019), 2020;  
Best Computing Education Research Paper, SIGCSE Tech. Symposium, 2019.

### **STATEMENT**

I am truly honored in being nominated to run for SIGCSE Vice-Chair. As an active SIGCSE member who truly believes in our community and its goals, I look forward to listening to the widest variety of opinions and making thoughtful and effective

decisions in consultation with my colleagues. It is an exciting time for SIGCSE and likely the most dynamic period of our history. Conscientious and attentive leadership can help ensure the best future. I believe the most important asset we have is our members, who make SIGCSE such a strong community.

Building on my work in belongingness and global inclusion, I look forward to contributing to the community by fostering new and revitalized means of engaging, participating, and interacting for all members including newcomers, established members and leaders, volunteers, reviewers, organizers, teachers, and students. I often say that I owe my career to SIGCSE because the community facilitates my passion for computing education. I hope to give back to SIGCSE as we navigate a changing and challenging yet promising landscape. If elected, I will work with all members, subcommunities, board colleagues, ACM, and other SIGs, to ensure that SIGCSE continues to best serve what matters most - its members.

## Candidate for Vice-Chair

Paul Denny  
University of Auckland, New Zealand

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Auckland, 2017, Computer Science.

#### Professional Experience:

Associate Professor, University of Auckland, New Zealand, 2019 – Present;  
Senior Lecturer (Assistant Professor), University of Auckland, New Zealand, 2017 – 2019;  
Senior Tutor (Lecturer), University of Auckland, New Zealand, 2000 – 2017.

#### Professional Interest:

Learnersourcing, Error messages, Programming feedback, Gamification, Physical computing.

#### ACM Activities:

Chair, Australasian ACM SIGCSE Chapter, 2021 – Present;  
Associate Program Chair, SIGCSE TS, 2020 – Present;  
SIGCSE International Liaison, 2015 – 2017;  
Associate Editor, ACM Transactions on Computing Education, 2021 – Present.

#### Membership and Offices in Related Organizations:

Co-Chair, ACE (Australasian Computing Education Conference), CORE, 2022 – Present;  
Co-Organizer, Dagstuhl Seminar 22052, Leibniz Center for Informatics, 2022 – Present;  
Member of New Zealand's Academy of Tertiary Teaching Excellence, Ako Aotearoa,  
2009 – Present.

#### Awards Received:

ICER (SIGCSE-sponsored) Best Reviewed Paper Award, 2020;  
QS Reimagine Education Overall Winner (#1 of 1184 projects), 2019;  
SIGCSE TS Best Paper Award, CS Education Research Track, 2019;  
CORE Australasia Award for Outstanding Contributions to Teaching, 2010.

### **STATEMENT**

I still remember boarding a plane bound for Chattanooga, heading to my first SIGCSE Technical Symposium in 2009. It was both exciting and daunting - I was eager to share my work and meet new people, but also trying to embark on a new research career in an

unfamiliar area. What I found in Tennessee was a welcoming and supportive community who shared my passion for helping students succeed, and with whom I felt an instant kinship.

SIGCSE has been instrumental to my growth as an academic and so I'm honored to be nominated for Vice-Chair. I have a long history with SIGCSE sponsored and in-cooperation events, including as Co-Chair (ACE), Associate Program Chair (SIGCSE), Global Liaison, reviewer for the last decade, recipient of six best paper awards and as keynote speaker at the inaugural ACM Global Computing Education conference.

If elected to the SIGCSE Board, I would work to promote an inclusive and welcoming community that is supportive of members of all backgrounds. As Chair of the Australasian ACM SIGCSE Chapter, I would like to see further broadening of the reach of SIGCSE to an international audience, and much greater global participation with SIGCSE sponsored events.



## Candidate for Secretary

Dan Garcia  
UC Berkeley, CA, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., UC Berkeley, 2000, Computer Science.

#### Professional Experience:

Teaching Professor, UC Berkeley, CA, 2012 – Present;  
Associate Teaching Professor, UC Berkeley, CA, 2006 – 2012;  
Assistant Teaching Professor, UC Berkeley, CA, 2003 – 2006.

#### Professional Interest:

Tools (e.g., randomized exams) for proficiency-based learning, Intelligent tutors and policies that help scale instruction, CSforALL & DEI advocacy efforts at state- and national-level, Define and assess computational thinking, Computational game theory.

#### ACM Activities:

Vice Chair, SIGCSE Board, 2019 – Present;  
Symposium Co-chair, SIGCSE Technical Symposium, 2017 – 2018;  
Program Co-chair, SIGCSE Technical Symposium, 2016 – 2017;  
Member, ACM Education Board, 2007 – 2016.

#### Membership and Offices in Related Organizations:

Higher Education Co-chair, CSforCA, 2019 – Present;  
Higher Education Chair (or Co-chair), CSTA Golden Gate chapter, 2010 – Present;  
Higher Education Member, AP CS Principles Development Committee, 2013 – 2018.

#### Awards Received:

ACM Distinguished Speaker, 2019;  
NCWIT's Undergraduate Research Mentoring (URM) Award, 2016;  
LPFI's Lux Award for being "Tech Diversity Champion", 2015;  
ACM Distinguished Educator, 2012.

### **STATEMENT**

I am running for Secretary of the SIGCSE Board, because I believe we are at a critical juncture for SIGCSE, and I have the experience and passion necessary to help lead us through this time.

In the last 2+ years, the SIGCSE Board has navigated many significant challenges. Our flagship conference, the Technical Symposium, was cancelled hours before it started, and it nearly bankrupted us. The global pandemic has forced all our conferences to pivot online, forcing us to rethink how they provide engagement, networking, resource sharing, and professional development. It has certainly been a mixed blessing, making our conferences more affordable, archivable, and climate-change sustainable, at the cost of community-building and collaboration.

I led the creation, dissemination, and analysis of SIGCSE's first "Conference Format Survey". Based on the results, I have advocated that all conferences permanently allow hybrid attendance, and for the introduction of a new online-only conference for a global audience. I am excited to lead this new initiative.

I can think of no greater way to give back to the SIGCSE community that has given me so much for 20+ years, than to continue to serve on its Board as its Secretary.

## Candidate for Secretary

MaryAnne Egan  
Siena College, Loudonville, NY, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Rensselaer Polytechnic Institute, 1997, Computer Science.

#### Professional Experience:

Professor, Dept. of CS, Siena College, Loudonville, NY, 2011 – Present;  
Chair, Dept. of CS, Siena College, Loudonville, NY, 2013 – 2017;  
Associate Professor, Dept. of CS, Siena College, Loudonville, NY, 2004 – 2011.

#### Professional Interest:

Diversity in Computer Science, High School CS Teacher Development  
Algorithmic Bias, Outreach for Recruitment and Retention, Service Learning.

#### ACM Activities:

At-large Board Member, SIGCSE Board, 2019 – Present;  
Council Member, ACM CS Education Advisory Council, 2019 – Present;  
Task Force Member, ACM Diversity, Equity, and Inclusion in Computing Education  
Task, 2019 – Present;  
Council Member, ACM-W, 2007 – 2014.

#### Membership and Offices in Related Organizations:

Birds of a Feather Co-Chair, SIGCSE Technical Symposium, 2019 – 2020;  
Associate Program Chair, SIGCSE Technical Symposium, 2014 – 2017;  
Program Chair or Site Chair, NY Celebration of Women in Computing, 2011 – 2016.

#### Awards Received:

Jerome Walton Award for Excellence in Teaching, Siena College, 2019;  
Faculty award for academic service learning, Siena College, 2011.

### **STATEMENT**

I attended my first SIGCSE conference in 1998. Since then, I have been an active member involved in varying capacities with the SIGCSE, ITiCSE, and CCSC-NE conferences. As an At-Large Member of the SIGCSE Board for these last few (challenging) years, I have witnessed the positive influence of SIGCSE within the

global CS Ed community. I look forward to continuing with the Board in the position of Secretary.

In addition to my conference committee experiences, past board experience, and small liberal arts college perspective, I feel that my passion for ensuring that all groups are represented in the computing field is an asset to the committee. I have worked on several programs that:

- give underrepresented groups the opportunity to explore computing as a discipline
- provide secondary school teacher education and support
- provide mentoring to undergraduate students
- demonstrate how service and social justice issues may be incorporated in computing classes

If I am elected, I will support all activities of the SIG to the best of my abilities.

## Candidate for Treasurer

Jill Denner  
Education, Training, Research, Sacramento, CA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Columbia University, 1994, Developmental Psychology.

#### Professional Experience:

Senior Research Scientist, Education, Training, Research, CA, 1998 – Present;  
Expert, National Science Foundation, CISE, VA, 2020 – Present;  
Affiliate Faculty, UC Santa Cruz, Center for Games and Playable Media, CA,  
2010 – 2015.

#### Professional Interest:

Computer science education in K-12 and higher education, Broadening participation in computing, Computing for social good.

#### Membership and Offices in Related Organizations:

Academic Alliance Advisory Board, National Center for Women in IT, 2020 – Present.

### **STATEMENT**

I am grateful for the opportunity to run for SIGCSE Treasurer. As a researcher at a non-profit organization, I have managed more than 20 large federal grants. My research career involves being an intermediary between K-12 and higher education, community colleges and universities, researchers and practitioners, formal and informal education, and between computer and social scientists. This includes decades of research on CS education in K-12 and being on the Steering Committee for a workshop on the authentic inclusion of community colleges in broadening participation in computing.

I also hold a temporary position at the National Science Foundation's Computer and Information Science and Engineering (CISE) Directorate where I lead an evaluation of their Broadening Participation in Computing pilot. I have no prior "board" experience, but I have decades of experience working with (and learning from) K-12 educators, college and university faculty, administrators, and non-academic researchers. While I have seen increased attention to equity and inclusion in SIGCSE, I am interested in being part of the board to support efforts to ensure that SIGCSE is at the forefront of making gender and racial justice part of all computer science education and research.

## Candidate for Treasurer

Mark W. Bailey  
Hamilton College, Clinton, NY

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Virginia, 2000, Computer Science.

#### Professional Experience:

Professor of Computer Science, Hamilton College, Clinton, NY, 1997 – Present.

#### Professional Interest:

Computer Science Education, Programming Languages, Computer Architecture, Computer Security.

#### ACM Activities:

Associate Program Chair, SIGCSE Technical Symposium, 2019 – Present;  
Editor-in-Chief, ACM Inroads, 2015 – 2019;  
Editor, SIGPLAN Notices, 2005 – 2011;  
Faculty Support Travel Chair, 2007 Federated Computing Research Conference, 2007.

#### Membership and Offices in Related Organizations:

Member, Board of Directors, Consortium of Computing Sciences in Colleges, Northeast Region, 2016 – Present;  
Question Leader, College Board Advanced Placement Exam in Computer Science A, 2018 – Present;  
Conference Chair, Consortium of Computing Sciences in Colleges, Northeast Region, 2016.

### **STATEMENT**

I have been involved in and benefited from the SIGCSE community for almost 25 years. Most recently, I served as Editor-in-Chief for ACM Inroads (along with Laurie King). We worked hard to broaden participation in the magazine's leadership. I also served as an ex-officio member on the SIGPLAN Executive committee. From this experience, I've gained a good understanding of ACM and the operations of SIGs. In these roles, I've emphasized the fostering of an environment that welcomes a diversity of views, and I will continue to do so.

I think SIGCSE is approaching an articulation point that will require leadership with significant experience. Two concerns that will need consideration in the coming term are

the after-effects of the pandemic and the growing impact of computing across disciplines. Can experience with hybrid and remote learning be used to increase participation in SIGCSE while still maintaining the SIGCSE community built upon in-person meetings? As computing impacts other disciplines more deeply, how do we support faculty in disciplines embracing computing? These are questions that the Executive Board will need to consider. I am prepared and enthusiastic to work with SIGCSE to navigate the issues ahead!

## Candidate for At-Large Member

Anne-Kathrin Peters  
KTH Royal Institute of Technology, Stockholm, Sweden

### **BIOGRAPHY**

#### Academic Background

Ph.D., Uppsala University, 2017, Computer Science with specialization in Computer Science Education Research.

#### Professional Experience:

Associate Professor, KTH Royal Institute of Technology, Stockholm, Sweden, 2020 – Present;

Researcher, Postdoc, Uppsala University, Uppsala, Sweden, 2018 – 2020;

Ph.D. Student, Uppsala University, Uppsala, Sweden, 2011 – 2017.

#### Professional Interest:

Sustainability, Justice, Equality, Engineering Education, Computing Education.

### **STATEMENT**

Anne-Kathrin Peters is an Associate Professor in Technology Education at KTH Royal Institute of Technology in Sweden. Anne works with educational transformation for sustainability at KTH, conducting research, supporting educational development, and doing teacher training. Most of her research has been about norms, values, and identities in computing education.

Before joining KTH, she was a member of the Uppsala Computing Education Research Group (UpCERG) at Uppsala University. There, she coordinated the Climate Change Leadership (CCL) initiative, establishing cross-disciplinary research collaborations on societal transformation and climate action. Anne has a computing and teaching degree from Germany and has also worked as a mathematics and computer science teacher at a high school.

In light of the grand challenges we face today, such as global warming, it is important to have platforms for collaboration and conversations on different scales. Digital technologies have transformed society quickly and one question is how students and teachers in computing education can be empowered to contribute to technical development in meaningful ways.



SIGSCE can connect people across the globe. As an At-Large Member, I will work for welcoming, creative, and inclusive meetings and I will contribute to initiatives that are relevant to sustainability.

## Candidate for At-Large Member

Bedour Alshaigy  
Oxford, UK

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Oxford Brookes University, 2018, Computing and Mathematics.

#### Professional Experience:

Lecturer (Scholarship), University of Aberdeen, Scotland, 2020 – 2021;

Project Coordinator, Taylor and Francis, England, 2020 – 2020;

Postgraduate Research Fellow, Oxford Brookes University, England, 2018 – 2019.

#### Professional Interest:

CS Education, Sustainability and Climate Change, Diversity and Inclusion, HCI, Data Science.

#### ACM Activities:

Lightning Talk and Demo Chair, SIGCSE TS, Present;

Working Group Chair, ITiCSE, Present;

Posters, Panels and Tips, Techniques and Courseware Chair, ITiCSE, 2019 – 2021;

Virtual Conference Chair, ITiCSE, 2021.

### **STATEMENT**

My goal is twofold: engage early career researchers and less experienced academics from underrepresented groups into leadership positions within the organisation, and to increase their participation in various SIGCSE communities. I envision my contributions as follows:

- Actively promote the various organisational roles at conferences (e.g., Q&A, AMA).
- Sharing templates of various applications (e.g., funding, vacancies) along with examples of successful ones.
- Identifying sources of income to support academic activities and disseminate the information to the community via a centralised system.
- Create conference tracks/workshops that support first-time authors (e.g., short papers, work in progress).
- Create a reward system to increase participation in the reviewing process of conference publications.

- Create a mentorship network to support academics/researchers at early stages in their careers with academic publications.
- Support student volunteers at conferences.

## Candidate At-Large Member

Catherine Lang  
Swinburne University of Technology, Hawthorn, Victoria, Australia

### **BIOGRAPHY**

#### Academic Background:

Ph.D., University of Melbourne, 2008, Gender imbalance in Computing.

#### Professional Experience:

Associate Professor (Adjunct), Swinburne University of Technology, Hawthorn, Victoria, Australia, 2020 – Present;  
Associate Professor, La Trobe University, Bundoora, Victoria, Australia, 2013 – 2019;  
Associate Professor, Swinburne University, Hawthorn, Victoria, Australia, 2001 – 2013.

#### Professional Interest:

Gender gap in computing, Computing education pedagogies, Preservice teacher computing competencies, Research methods in Education, Preservice teachers international teaching placements.

#### ACM Activities:

Inaugural Committee member and group facilitator, ACM-W Asia Pacific committee, 2019 – Present;  
SIGCSE Global ACM-W Workshop, 2019;  
Gender Gap in STEM project, ACM-W, 2017 – 2019;  
SIGCSE International Liaison, SIGCSE, 2012 – 2013.

#### Membership and Offices in Related Organizations:

Panel member and peer reviewer, Athena Swan Science and Gender in Education (SAGE), 2018 – 2019;  
Co-Chair Australasian Women in Computing (AWIC) conferences, Australasian Women in Computing, 2009 – 2014;  
Deputy Chair, Victorian ICT for Women Board, 2007 – 2008.

#### Awards Received:

Fellow, Australian Computer Society, 2016;  
Leoni Warne Prize, Australasian Association for Information Systems, 2011;  
Citation; Australian Learning and Teaching Council ALTC, 2010;  
Shilling Wall Tribute Tile; Victorian ICT for Women Network, 2009.

## **STATEMENT**

I am honoured to be invited to stand for the SIGCSE Board. The Board requires members who have strong collaboration, communication, and project management skills, and be friendly and inclusive; qualities that I believe I possess. As International Liaison for the SIGCSE Conferences (2012, 2013), a presenter at ITiCSE conferences (2007-2016) and an invited workshop leader at the SIGCSE Global conference (2019), I witnessed the complexity of the Board's work.

The challenges of the Board going forward are how to support and connect with members globally during the pandemic. It remains important to maximise collaboration opportunities with industry and international partners and to share best practices. It is critical to connect and support faculty who are creative and confident users of computing, so they can inspire their students to explore the discipline. Through my role as ACM-W Australian Ambassador (2005-2011) and as ACM-W representative at the Global Gender and STEM project (2018,2019), I bring a deep knowledge of the lack of gender and cultural diversity in computing influenced by economic, educational, and social challenges that are present internationally obtained. I pledge my support to the Board in these challenging times.

## Candidate for At-Large Member

Cheryl Swanier  
University of Massachusetts, Amherst, MA, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Auburn University, 2015, Computer Science.

#### Professional Experience:

Senior Teaching Faculty, University of Massachusetts, Amherst, MA, 2021 – Present;  
Endowed Professor/Chair, Claflin University, Orangeburg, SC, 2016 – 2021;  
Associate Professor, Fort Valley State University, Fort Valley, GA, 2008 – 2016.

#### Professional Interest:

Human Computer Interaction, Computer Science Education, Robotics, Artificial Intelligence, Broadening Participating in Computing.

#### ACM Activities:

Workshops Co-Chair, SIGCSE, 2021 – Present;  
SIGCSE Conference Presenter, SIGCSE, 2019;  
SIGCSE Conference, SIGCSE, 2016;

#### Membership and Offices in Related Organizations:

Board of Directors, Member, WAAW 2.0, 2021 – Present;  
Program Evaluator, ABET, 2018 – Present;  
Steering Committee Member, NCWIT Academic Alliance, 2016 – Present.

#### Awards Received:

UMass Amherst STRIDE Faculty Fellow, 2021;  
Featured in re: THINK Magazine (NCWIT Inaugural Issue), 2020;  
NCWIT Seed Fund Award, 2017;  
Google igniteCS Award, 2017.

### **STATEMENT**

I am honored to have been asked to run for the SIGCSE At-Large Member position. I have been an active member of ACM for over a decade. I currently serve as a Workshops' Co-Chair for SIGCSE Technical Symposium (TS) 2022. I have advised student chapters of ACM for over eight years. I have also served as a committee member on various research panels, steering committee member with the NCWIT

Academic Alliance, and program evaluator for ABET. My vast and broad experiences position me to serve as an At-Large Member.

ACM SIGCSE has served the computing community for years by providing outstanding academic programming at the annual SIGCSE TS. Academicians have been able to advance knowledge in computing as a result of their participation in SIGCSE. It is imperative that the work of SIGCSE continues to positively impact future generations.

Lastly, we must work towards ensuring that the SIGCSE community is inclusive and promote diversity, equity, and inclusion while noting that the diversity of ideas brings about positive change. If elected an At-Large Member, I will strive to make certain that SIGCSE support efforts that drive change and work with initiatives that address inequity in computing.

## Candidate for At-Large Member

Judithe Sheard  
Monash University, Clayton, VIC, Australia

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Monash University, 2006, Computer Science Education.

#### Professional Experience:

Professor, Monash University, Clayton 2021 – Present;  
Associate Dean (Learning & Teaching), Monash University, Caulfield East, 2020 – 2021;  
Head of School, Monash University, Caulfield East, 2012 – 2017.

#### Professional Interest:

Teaching and learning of programming, Student engagement and learning behaviour, Learning analytics, Computing education learning theories, History of computing.

#### ACM Activities:

Program Co-Chair, SIGCSE Technical Symposium, 2021 – 2022;  
Vice Chair, SIGCSE, 2016 – 2019;  
Secretary, SIGCSE, 2013 – 2016;  
Working Group Co-Chair, ITiCSE, 2016.

#### Membership and Offices in Related Organizations:

Co-Chair, Australasian Computing Education Conference, 2021 – 2022;  
Co-Chair, Koli Calling International Conf. on Computing Education Research, 2015 – 2016;  
Member, Australian Computer Society, 1995 – 2021.

#### Awards Received:

Top ITiCSE Working Group Report in 25 years (1 of 10 authors), 2020;  
ACM Distinguished Member, 2017;  
Best Paper, Australasian Computing Education Conference (ACE), 2016;  
Vice Chancellor's Award for Team-based Educational Development, 2002.

### **STATEMENT**

I would be honored to serve on the SIGCSE Board in the position of At-Large Member. I have been an active and enthusiastic member of the SIGCSE community for over 25 years. My organizational ability and commitment to this community is evidenced through my roles as SIGCSE Vice Chair and Secretary, Program Co-chair of SIGCSE



Technical Symposium, Co-Chair of ICER, Chair of the Australasian Chapter of SIGCSE, and leadership of ITiCSE Working Groups and doctoral consortia. My scholarly activities include invited talks, development of computing education research methods courses, more than 170 peer-reviewed computing education publications, and the establishment of the Monash Museum of Computing History. As a member of the SIGCSE Board, I would work with members to promote activities that would: further build the SIGCSE community, ensuring it has a diverse and global focus; support initiatives to increase student engagement and the student learning experience; encourage participation in computing education doctoral programs, thus ensuring the future of our community, and build the capacity of computing education researchers, thus raising the profile of computing education as a research discipline.

## Candidate for At-Large Member

Rodrigo Silva Duran  
Federal Institute of Mato Grosso do Sul, Brazil

### **BIOGRAPHY**

#### Academic Background:

Doctor of Science, Aalto University, 2020, Computing Education.

#### Professional Experience:

Associate Professor, Federal Institute of Mato Grosso do Sul, Brazil, 2011 – Present.

#### Professional Interest:

Notional Machines, Program Comprehension, Cognitive Complexity, Retention in CS Programs, Assessment.

#### ACM Activities:

Junior Global Liaison, SIGCSE, 2021 – Present;  
ICER Program Committee Member, SIGCSE, 2021 – Present;  
Koli Calling Program Committee Member, SIGCSE, 2019 – Present;  
ACER Task Force, ACM Ed. Board, 2019 – Present.

#### Membership and Offices in Related Organizations:

Education Board member, Brazilian Computer Society, 2019 – Present.

### **STATEMENT**

I am honored by the nomination to represent the CS Ed community as a SIGCSE At-Large Member. I always felt welcomed in the SIGCSE community, which helped develop my research interests and connected me with a vibrant group of researchers. I wish to extend the same experience I had to others, and improve the participation of researchers, students, and practitioners from underrepresented communities such as Latin America, Africa, and Asia in all SIGCSE events.

While there are many efforts directed towards improving SIGCSE representativity, there is room for change and improvement. My efforts will focus on improving communication with other computing societies worldwide with better advertising and seek dialogue with those communities to better understand how SIGCSE could best serve them, and advance Computer Education (CS Ed) everywhere.

I will support the strengthening of local SIGCSE chapters. I believe that events such as Comp Ed could play a greater role, highlighting CS Ed research and SIGCSE actions, but also bringing local questions, issues, and nuances to the spotlight. Given the recent advances in hybrid conferences, I will advocate for more access to audiences worldwide and that their experience in the SIGCSE events be as close as possible to on-site attendants.

## Candidate for At-Large Member

Yolanda A. Rankin  
Florida State University, Tallahassee, FL, USA

### **BIOGRAPHY**

#### Academic Background:

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

#### Professional Experience:

Assistant Professor, Florida State University, Tallahassee, FL, 2017 – Present;  
Assistant Professor, Spelman College, Atlanta, GA, 2013 – 2017;  
Research Staff Member, IBM Research Almaden, San Jose, CA, 2008 – 2012.

#### Professional Interest:

Broadening participation in computing, Black feminist epistemologies as critical frameworks for CS, Intersectionality as a critical framework for designing tech, Black feminist epistemologies as critical theory in HCI, Games as unorthodox tools for language learning.

#### ACM Activities:

External reviewer, ACM Transactions on Computer Education (TOCE), 2021;  
Committee member, 2020 ACM Technical Symposium on Comp. Sci. Education (SIGCSE), 2019 – 2020;  
Associate chairperson, 2020 ACM SIGCHI Education, Learning, & Families Committee, 2019 – 2020.

#### Membership and Offices in Related Organizations:

Co-Author, 2021 Future of Computing Education Research White Paper, 2020;  
Advisor, Florida State University Blacks in Computing, 2019 – Present;  
Papers Co-Chair, IEEE 2018 RESPECT Conference, 2017 – 2018.

#### Awards Received:

ACM SIGCSE Best Paper Award for Technical Track, 2021;  
ACM CSCW Best Paper Award, 2021;  
ACM CSCW Contribution to Diversity & Inclusion Paper Award, 2021;  
McKnight Junior Faculty Fellowship, 2020.

### **STATEMENT**

Intersectional computing, an emerging critical subfield, provides the field of computing with the necessary vocabulary, methods, and tools for examining how systems of power mutually influence one another to create unequal outcomes that disadvantage

historically excluded populations (i.e., Black women, Latinas, Native American women, the LGBTQ+ community, neurodiverse students, etc.). Less CS education research has addressed issues of structural oppression that shape the lived experiences of historically excluded populations in computing.

As a computing professional and scholar, I have extensive experience working with Black and Brown student populations to provide exposure and access to K-12 CS education, positioning them as agents of knowledge and creators of technology. For example, I apply Black feminist epistemologies as the theoretical basis of my work, developing alternative pedagogical strategies and research methods to recruit and retain Black women in the field of computing. As a result of my experiences, I bring a unique perspective to the ACM SIGCSE board. Working with the ACM SIGCSE leadership, I will work to create more equitable spaces that enable all students to successfully navigate the K-16 computing ecosystem and better serve the needs of the global SIGCSE community.