

Candidate for Chair

Amber Settle
DePaul University, Chicago, IL, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Chicago, 1999, Computer Science.

Professional Experience:

Vincent de Paul Associate Professor, DePaul University, Chicago, IL, 2004 – Present;
Director, Innovation in Technology Education Center, DePaul University, Chicago, IL, 2008 – 2011;
Associate Professor, DePaul University, Chicago, IL, 2003 – 2004.

Professional Interest:

Computational thinking; Gender and computing; Online learning; Programming pedagogy;
Student recruitment and retention.

ACM Activities:

Treasurer, SIGCSE, 2013 – Present;
At-large Board member, SIGCSE, 2010 – 2013;
Conference co-chair, SIGITE, 2014 – 2015;
Program co-chair, SIGITE, 2013 – 2014.

Awards Received:

Spirit of Inquiry Award, DePaul University, 2015;
ACM Senior Membership, 2011;
Distinguished Paper Award, SIGITE Conference, 2011;
Computational Thinking across the Curriculum, NSF, 2008.

STATEMENT

During my six-year tenure on the Board, three as Treasurer, I have developed an understanding of the dynamic organization that is SIGCSE. SIGCSE rests on its devoted volunteers who do the difficult work necessary to make our community thrive. In appreciation for all that the community provides, I would like to make SIGCSE my main priority and extend my service as Chair. I would bring to the position excellent organization, an ability to listen well, an understanding of the importance of acknowledging and supporting the contributions of volunteers, and experience involving new people in the community.

The role of the Chair should be to facilitate collaboration among all SIGCSE members, including the Board, long-standing volunteers, old and new members, and people joining the computing education community. As SIGCSE has evolved we have increasingly served new and diverse populations and recruited new groups of volunteers who will carry the organization into the next generation. At the same time, we need to retain the strong activities and programs that have served so many for so long. I will work hard to balance the strengths of existing programs with the needs of new members while retaining crucial institutional memory.

Candidate for Chair

Paul Tymann
Rochester Institute of Technology, Rochester, NY, USA

BIOGRAPHY

Academic Background:

M.S., Syracuse University, 1983, Computer Science.

Professional Experience:

Program Officer, National Science Foundation, Arlington, VA, 2013 – Present;
Professor, Rochester Institute of Technology, Rochester, NY, 1997 – Present;
Associate Professor, SUNY College at Oswego, Oswego, NY, 1985 – 1997.

Professional Interest:

Computer Science Education; Bioinformatics; High Performance Computing; Networking.

ACM Activities:

Vice Chair, SIGCSE, 2013 – Present;
Member, ACM Education Council, ACM, 2015 – Present;
Northeast North America Regional Contest Director, ICPC, 2004 – 2015.

Membership and Offices in Related Organizations:

Membership Chair, Webmaster, CCSCNE, 2008 – 2015.

Awards Received:

SUNY Chancellor's Award for Excellence in Teaching, 1994.

STATEMENT

I am honored and humbled to have been nominated to serve as Chair of SIGCSE. The SIGCSE community has had a significant and positive impact on my career as a computer science educator. In an effort to pay SIGCSE back for all that the organization has done for me, I have volunteered to serve twice as SIGCSE symposium co-chair, and as SIGCSE Vice-Chair. I believe my experience in these positions has prepared me to serve you, and SIGCSE, as Chair.

One thing that strikes me about SIGCSE is how much we have grown. As SIGCSE grows we must continue to support our existing members, while at the same time attracting and supporting new members. Regardless of our size, we must remain an effective forum

for computer science educators to discuss issues related to the development, implementation, and evaluation of computing programs and computer science education research. If elected Chair, I will ensure that we develop programs to serve and support both our existing and newest members, that we build a strong and diverse volunteer pool to ensure the long term health of our organization, and that we remain and are recognized as the forum for computer science education.

Candidate for Vice-Chair

Judy Sheard
Monash University, Caulfield, Australia

BIOGRAPHY

Academic Background:

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

Professional Experience:

Head of School and Associate Professor, Monash University, Caulfield, Australia, 2012 – Present;

Senior Lecturer, Monash University, Caulfield, Australia, 2003 – 2011;

Lecturer, Monash University, Caulfield, Australia, 1998 – 2002.

Professional Interest:

Programming education and student engagement; Application and evaluation of educational technology; Learning analytics; Computing education research methods; History of computing.

ACM Activities:

Secretary, SIGCSE Board, SIGCSE, 2013 – 2016;

Co-Chair, ICER, 2015 – 2016;

Chair, Australasian Chapter of the ACM SIGCSE, 2009 – 2010;

Member, ACM/SIGCSE, 1997 – Present.

Membership and Offices in Related Organizations:

Member, Australian Computer Society, 1995 – Present;

Co-Chair, Koli Calling Conference on Computing Education Research, 2015 – 2016;

Program Chair, Australasian Computing Education Conference, 2000.

Awards Received:

Best Paper Award, Australasian Computing Education Conference, 2014;

Highly Commended Paper Award, ITiCSE, 2013;

Best Paper Award, Australasian Computing Education Conference, 2010;

Vice Chancellor's Award for Team-based Educational Development, 2002.

STATEMENT

I would be honored to serve SIGCSE in the position of Vice Chair, bringing my organizational and community-building strengths to this role. I have been active

in the SIGCSE community for 20 years, regularly presenting at SIGCSE conferences. My organizational ability is evidenced through my role as SIGCSE Board Secretary and leadership of Working Groups, doctoral consortia and the Australasian Chapter of SIGCSE. My scholarly activities in the computing education and educational technology areas include invited talks at international conferences, development of computing education research methods courses, more than 140 peer-reviewed publications and establishment of the Monash Museum of Computing History. As computing educators and researchers our community members are facing many challenges. Beyond performing the specific duties of Vice Chair I would work with the committee to promote activities which would: build the SIGCSE community, ensuring it has an international focus; explore opportunities for new technologies in the learning and teaching of computing; support initiatives to increase student engagement; encourage participation in computing education doctoral programs, thus strengthening and ensuring the future of the community; and, build the capacity of computing education researchers, thus raising the standard and acceptance of computing education as a research discipline.

Candidate for Vice-Chair

Ian Utting
University of Kent, Canterbury, Kent, United Kingdom

BIOGRAPHY

Academic Background:

BSc (Hons), University of Kent, 1978, Computers and Cybernetics.

Professional Experience:

Associate Dean of Learning and Teaching, Faculty of Sciences, University of Kent, Canterbury, Kent, UK, 2004 – Present;

Senior Lecturer, School of Computing, University of Kent, Canterbury, Kent, UK, 1998 – Present;

Lecturer, School of Computing, University of Kent, Canterbury, Kent, UK, 1985 – 1998.

Professional Interest:

Teaching and learning of programming; Large-scale studies of CS students' behaviors; Knowledge transfer in technical communities; Quality assurance and enhancement of university education; Mobile computing.

ACM Activities:

Program Co-Chair, ITiCSE conference, SIGCSE, 2013;

Member, ACM Java task force, SIGCSE, 2005 – 2006;

Program Co-Chair, ITiCSE conference, SIGCSE, 2002.

Awards Received:

"John Henry" Paper Award, ACM ICER, 2012.

STATEMENT

I am honored to have been nominated for the position of Vice-Chair of SIGCSE.

As a teacher of Computer Science and a researcher in Computing Education, I have benefited enormously from SIGCSE in both my teaching and my research. As well as the activities listed above, I have presented papers at SIGCSE conferences on three continents, received support for the Blackbox programming data gathering project, and learnt much about my subject and craft from SIGCSE conferences and publications, and from my fellow members.

In recent years, political recognition of the importance of CS education has expanded SIGCSE's audience beyond its traditional HE community to both high school teachers

and commercial organisations. Despite outreach to these new communities at SIGCSE conferences, educators in these new settings may find SIGCSE's traditional means of dissemination less accessible: particularly periodical publications, however there is huge potential value in broadening engagement for all of us. As well as continuing to serve its core constituency, SIGCSE must look to how it can further and better engage with these new communities to improve the experience of students at all levels and in all settings as they learn the key skills of the 21st century.

Candidate for Secretary

Alison Clear
Eastern Institute of Technology, Auckland, New Zealand

BIOGRAPHY

Academic Background:

Post Graduate Diploma, The Waikato Polytechnic, 1997, Computer Based Learning.

Professional Experience:

Associate Professor, EIT, Auckland, New Zealand, 2014 – Present;
Chair of Department, CPIT, Christchurch, New Zealand, 2009 – 2014;
Associate Professor, Unitec, Auckland, New Zealand, 1997 – 2009.

Professional Interest:

Computer Science Education; Women in Computing; Curriculum Development; ICT4D.

ACM Activities:

Board Member, SIGCSE, 2013 – 2016;
Council Member, Education Council, 2006 – 2016;
Vice-Chair, SIGCSE, 2007 – 2010;
Board Member, SIGCSE, 2004 – 2007.

Membership and Offices in Related Organizations:

Program Chair, Australasian SIGCSE Chapter, 2007 – 2016.

STATEMENT

Alison has a long term interest in Computer Science education with a sustained commitment to the discipline and profession being recognised with Fellowships in the two Professional organisations in New Zealand. She has extensive experience in governance at national and international levels through CITREnz, the Australasian SIGCSE chapter and ACM. Her experience in leading collaborative curriculum development at both departmental and national levels is wide ranging. Alison has proven academic leadership through national, regional and international conference organisation and program oversight. Alison has a long term interest in equity and both furthering the role of women in computing and also in ICT4D. She has given keynote addresses at national and international conferences and has an impressive and recognised publication record. As Secretary of the SIGCSE Board she will bring academic leadership, experience and a commitment to further the growth, support for the membership, benefits, new exciting and innovative ideas for the promotion of SIGCSE.

Candidate for Secretary

Sue C. Fitzgerald
Metropolitan State University, St. Paul, MN, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Missouri-Kansas City, 1996, Computer Science and Telecommunications.

Professional Experience:

Professor (Chair, 1996-2002), Metropolitan State University, St. Paul, MN, 1996 – Present;
Program Director, National Science Foundation, Arlington, VA, 2010 – 2012;
Fulbright Scholar, Barbados Community College, Barbados, 2002 – 2003.

Professional Interest:

Computer Science Education; Cybersecurity; Web Application Development.

ACM Activities:

At-Large Board Member, SIGCSE, 2013 – Present;
ACM Education Council, ACM, 2014 – Present;
Co-Chair, Technical Symposium, SIGCSE, 2008 – 2009;
Program Co-Chair, Technical Symposium, SIGCSE, 2007 – 2008.

Membership and Offices in Related Organizations:

President elect, president, immediate past president, Consortium for Computing Sciences in Colleges (CCSC), 1995 – 1997;
Doctoral consortium co-chair, SIGCSE, 2003 – 2004;
Organizer, Cyber Security Education Workshop, National Science Foundation, 2014.

STATEMENT

I have been an enthusiastic supporter of the SIGCSE organization since I attended my first Symposium in 1992. Through attendance at the Symposium, ITiCSE, ICER and affiliated ACE and CCSC conferences, I have formed an international community of colleagues and friends who have encouraged me with ideas, support, and motivation. I welcome the opportunity to give back to this community by service on the SIGCSE Board - to make sure SIGCSE continues to provide a vibrant and supportive, yet affordable, environment for its members.

SIGCSE is being challenged to change as the discipline of computer science, the IT industry, and computing students evolve. The computer science education community must strengthen its appeal to young people by broadening its definition of itself. SIGCSE already leads in developing curriculum and sharing ideas about computer science education. It must also

become the most vocal and respected voice for all aspects and variations of computing education.

I am a reliable, well-organized person with experience running large volunteer organizations and academic departments. I bring both the practitioner and researcher views of computer science education to the table. I would be honored to continue my work on the SIGCSE Board in the position of Secretary.

Candidate for Treasurer

Adrienne Decker
Rochester Institute of Technology, Rochester, NY, USA

BIOGRAPHY

Academic Background:

Ph.D., University at Buffalo, SUNY, 2007, Computer Science & Engineering.

Professional Experience:

Assistant Professor, Rochester Institute of Technology, Rochester, NY, 2011 – Present;
Teaching Assistant Professor, University at Buffalo, SUNY, Buffalo, NY, 2007 – 2011;
Lecturer, University at Buffalo, SUNY, Buffalo, NY, 2002 – 2007.

Professional Interest:

Computing Education; Gender & Diversity Issues in Computing and Gaming, Outreach Initiatives; Assessment; Games Education.

ACM Activities:

Associate Program Chair, SIGCSE 2016, 2015 – Present;
Symposium Co-Chair, SIGCSE 2015, 2014 – 2015;
Program Co-Chair, SIGCSE 2014, 2013 – 2014;
Pre-symposium Events Chair, SIGCSE 2013, 2012 – 2013.

Membership and Offices in Related Organizations:

Development Committee Member, AP Computer Science A, 2015 – Present;
Secretary, Western New York CSTA, 2008 – 2013.

Awards Received:

Milton Plesur Award for Excellence in Teaching (University at Buffalo), 2007;
Best Paper Award - CCSC Eastern Conference, 2005;
Best Paper Award - CCSC Eastern Conference, 2003.

STATEMENT

Having been involved in SIGCSE as a member, conference attendee, author, and organizer for nearly 15 years, I have seen our organization grow and change to embrace new ideas and an expanding membership base. During that time, I have volunteered in the SIGCSE community on conference committees as workshops co-chair in 2011 and 2012; pre-symposium events chair in 2013; and program co-chair in 2014, during which time I oversaw the transition to a new conference submission system. As symposium co-chair for SIGCSE 2015, I worked closely with our conference treasurer and planners to ensure a financially successful conference that was also meaningful for attendees.

Being an active CS Education researcher and being involved as a reader, question leader, and member of the development committee for the AP CS A exam, I have come to appreciate the diversity of programs that SIGCSE offers to encourage and enable researchers and educators alike. Even in 2002, after attending my first SIGCSE Doctoral Consortium and conference, I knew I had found my professional home and family. As treasurer, I will work to expand those experiences for others and grow our membership while maintaining our organization's financial accountability and solvency.

Candidate for Treasurer

John P. Dougherty
Haverford College, Haverford, PA, USA

BIOGRAPHY

Academic Background:

Ph. D., Temple University, 1998, Computer and Information Sciences.

Professional Experience:

Associate Professor of Computer Science, Haverford College, Haverford, PA,
2011 – Present;

Assistant Professor of Computer Science, Haverford College, Haverford, PA, 1997 – 2011;
Assistant Professor of Mathematics and Computer Science, Philadelphia University,
Philadelphia, PA, 1987 – 1994.

Professional Interest:

Computer Science Education; Dependable Parallel Scientific Computing; K-12 Computing
Education and Outreach; Accessible Computing; Performability.

ACM Activities:

Symposium Chair, SIGCSE 2014, SIGCSE, 2012 – 2014;
Program Chair, SIGCSE 2013, SIGCSE, 2012 – 2013;
Accessibility Liaison, SIGCSE 2012, SIGCSE, 2011 – 2012;
Symposium Chair, SIGCSE 2008, SIGCSE, 2006 – 2008.

Awards Received:

Senior Member, ACM, 2014;
Best Paper Award, CCSC-Eastern Conference, 2007.

STATEMENT

I want to serve as Treasurer and continue my work to promote computing education and support the mission of the SIGCSE community. I have worked with the SIGCSE Technical Symposium for seven years as a member of the steering committee, and as Papers Chair for CCSC-Eastern prior to that. I also participate with the local CSTA-Philly chapter.

My goals as Treasurer would be to provide comprehensive, detailed and accurate feedback regarding finances to the SIGCSE Board and to ACM. This information supports short-term projects (e.g., upcoming conferences), medium-term initiatives (e.g., Special Projects), and (perhaps most importantly) the long-term goals of SIGCSE.

I want to promote a sustainable community to meet the growing needs for computing education, including competence, diversity and access.

Candidate for At-Large Member

Elizabeth (Liz) S. Adams
James Madison University, Harrisonburg VA, USA

BIOGRAPHY

Academic Background:

DSc., George Washington University, 1992, Computer Science.

Professional Experience:

Professor Emeritus, James Madison University, Harrisonburg VA, 2009 – Present;
Associate Professor of Computer Science, James Madison University, Harrisonburg, VA, 1999 – 2009;
Associate Professor of Computer Science, Richard Stockton College of New Jersey, Pomona NJ, 1994 – 1999.

Professional Interest:

Computer Science University Curriculum; Computer Science Pre-College Curriculum;
Women in Computer Science; Programming Languages; Database Management Systems.

ACM Activities:

Panels Chair, ITiCSE 2015 (Vilnius), ITiCSE 2013 (Canterbury);
Working Groups Chair, ITiCSE 2012 (Haifa), ITiCSE 2011 (Darmstadt);
Board Member at Large, SIGCSE Board, 2001 – 2004;
Program Chair (SIGCSE Technical Symposium), SIGCSE96 (Philadelphia).

Membership and Offices in Related Organizations:

CCSC Board Member - Regional Representative for Eastern region, Computing Sciences in Colleges, 2001 – 2014;
Steering Committee Member, CCSC Eastern Region, 1991 – Present;
Conference Chair, Eastern Small College Computing Conference, 1997.

Awards Received:

CCSC Distinguished Service Award, 2015;
Recognition of Service Award from ACM - Birds-of-a-Feather Chair, 2000;
Recognition of Service Award from ACM - Program Chair SIGCSE, 1996.

STATEMENT

I am honored and delighted to have been nominated for the position of SIGCSE Board Member at Large. SIGCSE has had a significant positive impact on, and been an important part of my life since I attended my first SIGCSE conference in 1978. I have previously

served on the SIGCSE Board, attended, presented at, served as a committee member for, and reviewed for numerous SIGCSE and ITiCSE conferences since then.

In addition to my SIGCSE efforts, I have been a panelist for the NASA Aeronautics Scholarship Program and for the NDSEG Fellowship Review Panel, and for NSFCCLI proposals. I was a Computer Science AP Exams reader, served on the GRE Committee of Examiners for the GRE subject test in Computer Science (2003-2009) and a program committee member for SIGAda and NECC Conferences. As regional representative of the Eastern region of CCSC, I found conference sites for yearly regional and served as mentor to the conference chairs.

Although I retired in 2009 as emeritus professor, I have continued to participate in SIGCSE and other computer science educational organizations. I believe that my background and experience will make me a member of the SIGCSE Board.

Candidate for At-Large Member

Dennis Bouvier
Southern Illinois University Edwardsville, Edwardsville, IL USA

BIOGRAPHY

Academic Background:

Ph.D., University of Louisiana Lafayette, 1994, Computer Engineering.

Professional Experience:

Associate Professor and Chair, Southern Illinois University Edwardsville, Edwardsville, IL,
2010 – Present;

Assistant Professor, Southern Illinois University Edwardsville, Edwardsville, IL,
2006 – 2010;

Assistant Professor, Saint Louis University, Saint Louis, MO, 2001 – 2005.

Professional Interest:

Computing Education Research; Visual Analytics; Interactive Systems; Software Engineering; Computer Graphics.

ACM Activities:

ITiCSE Conference Committee, SIGCSE, 2016;

SIGCSE Symposium Video Chair, SIGCSE, 2009 – 2011;

SIGCSE Symposium Local Arrangements, SIGCSE, 2005;

Education Committee Jury Member, SIGGRAPH, 2002.

Membership and Offices in Related Organizations:

Member, ACM SIGCHI, 2010 – Present;

Member, ACM SIGACCESS, 2010 – Present.

Awards Received:

Best Paper ICER, 2009;

VAST Innovation Award, 2008.

STATEMENT

I am honored to be considered for a SIGCSE Board position. I have been a member of ACM since 1988, first as a student, then as a professional in 1994. Attending the 1995 SIGCSE Symposium was an eye opening experience that inspired me to become an active member in SIGCSE.

In the twenty years I have been a SIGCSE member I have attended more than 15 SIGCSE Symposiums, five ITiCSE and three ICER conferences. I have been an active contributor to the SIGCSE community as a conference reviewer, and four times been on conference organizing committees. I believe my experience with the conferences, both as an attendee and as part of the organization, has prepared me to be a member of the Board.

I have seen the SIGCSE organization evolve over the past twenty years. If elected, I would work diligently with the Chair, Board, and members to continue the evolution of the SIGCSE organization with the goal of fostering a global supportive computing education community across the spectrum of educational levels.

Candidate for At-Large Member

Michelle Craig
University of Toronto, Toronto, ON Canada

BIOGRAPHY

Academic Background:

MSc., University of Toronto, 1991, Computer Science.

Professional Experience:

Associate Professor, Teaching Stream, University of Toronto, Canada, 1990 – Present.

Professional Interest:

Assessment: Exam Wrappers; Inverted Classrooms and Online Course Delivery;
CS Education for Medical Students; Diversity in CS Courses; Student Misconceptions while learning C Programming.

ACM Activities:

ITiCSE Committee: Tips, Techniques and Courseware, SIGCSE, 2015;
Symposium Committee: Posters, SIGCSE, 2015.

Membership and Offices in Related Organizations:

Undergraduate Capstone Open-Source Projects Program Chair, Canadian Association of Computer Science, 2010 – Present;
Outreach Committee Chair, Canadian Association of Computer Science, 2007 – 2011;
Outstanding Undergraduate Awards Selection Committee Member, Computing Research Association, 2009.

Awards Received:

Queen Elizabeth II Diamond Jubilee Medal, 2012.

STATEMENT

I have benefitted greatly from participation in the SIGCSE community since my first symposium in 1999. I would be pleased to contribute back by serving as an at-large board member and believe my 25 years of experience as a teaching-focused faculty member at the University of Toronto would provide a valuable perspective.

My classroom regularly has 100 students, but I have coordinated courses from 25 to 800 students and taught at both a major urban campus and a smaller suburban environment. Two of my assignments were selected as "Nifty Assignments." I organize a cross-Canadian open source project program that involves faculty and students from 30 CS departments of varying sizes.

I have published over 20 papers at venues including the three main SIGCSE meetings (SIGCSE's technical symposium, ICER and ITiCSE) and two in-cooperation events (WCCCE and ACE). I have one CS-Education PhD student and serve on University of Toronto's research ethics board.

Outside the university, I have served over 10 years on non-profit boards including three years as chair of the local foodbank.

It is important to me that SIGCSE remains an international organization and the board includes representation from outside the US.

Candidate for At-Large Member

Shaundra Bryant Daily
University of Florida, Gainesville, FL, USA

BIOGRAPHY

Academic Background:

Ph.D., Massachusetts Institute of Technology, 2010, Media Lab.

Professional Experience:

Associate Professor, University of Florida, Gainesville, FL, 2015 – Present;

Associate Professor, Clemson University, Clemson, SC, 2014 – 2015;

Assistant Professor, Clemson University, Clemson, SC, 2011 – 2014.

Professional Interest:

Affective Computing; Computer Science Education; Broadening Participation in Computing; Human-Centered Computing.

Membership and Offices in Related Organizations:

Program Committee, IEEE STC RESPECT Conference, 2015 – Present;

Program Committee, IEEE Symposium on Visual Languages and Human-centric Computing, 2015;

Program Committee, Grace Hopper, 2013.

Awards Received:

AERA, Tech, Instruction, Cognition & Learning Early Career Award, 2015.

STATEMENT

If we have learned nothing in recent years, it has become blatantly obvious that computing has a diversity problem. From industry, to academia, to K-12, a lack of diverse faces with computational skills to address our world's most pressing problems is an issue that we cannot ignore. As a member-at-large, I would like to not only be one of the diverse faces at that table discussing the future of computer science education, but also contribute from my experiences working with minority and women students over the last ten years. In research, I have been a part of over \$5 Million in grant funding dedicated to increasing the numbers of minorities in computing. The approaches have ranged from mentoring through role models, to developing curriculum and software in order to broaden the pathways to engage students in computing. As a mentor, I have directly advised seven minority and four women undergraduates, graduated two minority doctoral students, and I currently have five women and one minority graduate student working in my lab. I believe these experiences will allow me to contribute to the board in meaningful and impactful ways, as SIGCSE is a hub for computer science educators.

Candidate for At-Large Member

Cecily Heiner
Southern Utah University, Cedar City, UT, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Utah, 2009, Computer Science.

Professional Experience:

Assistant Professor of Computer Science, Southern Utah University, Cedar City, UT, 2011 – Present;
Secondary Teacher (Grades 7-12)/CTE Director, DaVinci Academy, Ogden, UT, 2009 – 2011.

Professional Interest:

K12/outreach; CS1; Educational Data Mining; Creativity; Computational Thinking.

ACM Activities:

Reviewer, SIGCSE, 2007 – Present.

STATEMENT

I'm thrilled to be running for a SIGCSE office. I have been a member of this community for approximately ten years, attending my first SIGCSE and Doctoral Consortium in 2006. I have learned so many lessons and met so many mentors that have helped nurture my career through SIGCSE, and I look forward to the opportunity to pay it forward as a member of the board. Some specific initiatives that I would like to pursue as a member of the board include:

- Creation of one or more topical “research incubation” tracks or workshops in conjunction with the main conference to improve quality of the research in our field - these tracks would give researchers with a common interest an opportunity to present preliminary work and receive feedback on how to polish it for future submission as a full paper
- Improved communication about opportunities to serve within in the SIGCSE community including opportunities to serve on the Program Committee, other SIGCSE committees, and other committees in communities that have overlap with SIGCSE

- Explore sustainable approaches to extending no-cost or low-cost benefits such as electronic resources to K12 teachers, emeritus faculty with lifelong service, and other similar groups.

Candidate for At-Large Member

Shelly (Rachelle) Heller
The George Washington University, Washington, DC, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Maryland, 1985, Computers in Education.

Professional Experience:

Associate Provost, Academic Affairs, Mount Vernon Campus, The George Washington University, Washington, DC, 2010 – Present;
Professor, Computer Science, The George Washington University, Washington DC, 1997 – Present;
Editor, Computers & Education Journal, Elsevier Publishers, Kidlington, UK, 1992 – Present.

Professional Interest:

Status of women in STEM; Interactive multimedia in educational settings; Cybersecurity curriculum and academic content; Online learning.

ACM Activities:

None, 1970 – Present.

Membership and Offices in Related Organizations:

Member, ACM, 1969 – Present.

Awards Received:

Diversity Magazine, 100 most inspiring women in STEM, 2015;
Fulbright Senior Scholar, 2013.

STATEMENT

I have never held office in the ACM or the SIGs but I am ready to give back to my field. I have the perspective as well as the energy and time to devote to being an At-Large Member.

The recruitment and retention of women in STEM fields in general, and computer science in particular, have been an important issue for me since I was told, right after graduation with a BS in chemistry, "we don't hire women as chemists, we hire them as secretaries in the lab." I have dedicated a large part of my professional life to working with potential scientists, encouraging them with the skills and information to engage in computer science, starting with a program in the 1980s called "Bringing Young Minority Women to the Threshold of Science" (we used HyperCard as the programming engagement.)

There is no simple, or one, way to plug the leaky pipeline of women flowing into computer science, but I will use my role to be sure that SIGCSE continues to keep its 'eye' on the leaks to provide encouragement, research, information and support to women at all ages and stages as they enter computer science.

Candidate for At-Large Member

Larry Merkle

Air Force Institute of Technology, Wright-Patterson AFB, OH, USA

BIOGRAPHY

Academic Background:

Ph.D., Air Force Institute of Technology, 1996, Computer Engineering.

Professional Experience:

Asst. Professor of Computer Science, Air Force Institute of Technology, Wright-Patterson AFB, OH, 2015 – Present;

Founder, Computational Optimization Services, Dayton, OH, 2011 – Present;

Asst. Chair, Dept. of Computer Science and Engineering, Wright State University, Dayton, OH, 2008 – 2011.

Professional Interest:

Broadening Participation in Computing and STEM; Computational Science and Engineering;

Computer Science Education; Evolutionary Computation; Space Situational Awareness.

ACM Activities:

Co-Registrar, Technical Symposium on Computer Science Education, SIGCSE, 2003 – Present;

Registrar and Treasurer, ITiCSE, SIGCSE, 2007 – 2010;

Program Committee and Workshop Chair, SIGEVO, 1999 – 2008;

ACM Student Chapter and Programming Contest Advisor, ACM and ICPC, 2001 – 2008.

Membership and Offices in Related Organizations:

Senior Member, IEEE, 1995 – Present;

Member, ASEE, 1998 – Present;

Member, AAAS, 2007 – Present.

Awards Received:

Best Paper, ME Div., ASEE Annual Conference, 2005;

USFA Dept. of CS Research Excellence Award, 2002;

Upsilon Pi Epsilon, 2001;

Tau Beta Pi and Eta Kappa Nu, 1992.

STATEMENT

You many know me as one of the welcoming faces behind the SIGCSE registration desk. If given the opportunity to expand my service to the SIGCSE community as a

Member-at-Large (i.e. a member of the Advisory Board to the Executive Committee), my overarching goal would be to maintain, strengthen, and initiate policies that facilitate our members' efforts to provide the best possible computing education to their students and to broaden participation in computing. I am particularly passionate about finding ways to encourage more women to pursue computing education and to choose computing-related careers. Fortunately, SIGCSE is currently and for many years has been led by dedicated and capable board members. As such, our current policies are very much consistent with my stated goals, but we must continue to adapt. In particular, the United States is currently experiencing a "CS Education Moment" -- a national focus on the importance of computing education -- and it is imperative that SIGCSE engages as fully as possible in this moment. If elected, I will bring to bear my years of experience in professional project management, as well as my many years serving on the boards of a variety of non-profit organizations.

Candidate for At-Large Member

Jeffrey Miller
University of Southern California, Los Angeles, CA, USA

BIOGRAPHY

Academic Background:

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

Professional Experience:

Associate Professor of Engineering Practice, University of Southern California, Los Angeles, CA, 2013 – Present;

Assistant/Associate Professor, University of Alaska Anchorage, Anchorage, AK, 2007 – 2013;

Adjunct Professor, California State University, Los Angeles, Los Angeles, CA, 2002 – 2007.

Professional Interest:

Computer Science Education (Collegiate); Computer Science Education (K12); Driverless Vehicle Ethics; Vehicular Communication; Intelligent Transportation Systems.

ACM Activities:

Member, SIGCSE, 2014 – Present;

Member, ACM, 2002 – Present.

Membership and Offices in Related Organizations:

Editor-in-Chief, IEEE Intelligent Transportation Systems Magazine, IEEE, 2012 – 2014;

VP Admin Activities, IEEE Intelligent Transportation Systems Society, IEEE, 2011 – 2013;

Board of Governors, IEEE ITSS and VTS, IEEE, 2009 – 2014.

Awards Received:

IEEE Alaska Engineer of the Year, 2014;

IEEE Outstanding Leadership and Professional Service, Alaska, 2013;

IEEE 6th Intelligent Vehicles Symposium Best Poster Award, 2010;

Professor of the Year, California State University Los Angeles, 2002.

STATEMENT

I am honored to be nominated for an At-Large member within ACM SIGCSE. I have always had a passion for teaching, and SIGCSE provides many different areas of research that help improve all aspects of Computer Science education. I have been teaching at the collegiate level for over 10 years and running K12 summer camps in Computer Science

for five years. I have been very involved in professional organizations for my entire career, being an ACM and IEEE member, helping to organize as a general chair or program chair at five different conferences, being the Editor-in-Chief of a new magazine (the IEEE Intelligent Transportation Systems magazine) and securing the first impact factor for that publication, and being on the Board of Governors for the IEEE Intelligent Transportation Systems Society and the Vehicular Technology Society. With my position at the University of Southern California being focused more on education, I have realigned my research on Computer Science education, and I am looking to become more active within our professional society. I enjoy hearing suggestions from the members of the society and helping to enact positive changes. Thank you all for your support.

Candidate for At-Large Member

Briana B. Morrison
Georgia Institute of Technology, Atlanta, GA, USA

BIOGRAPHY

Academic Background:

Ph.D., Georgia Institute of Technology, 2016, Human Centered Computing.

Professional Experience:

Graduate Assistant, Georgia Institute of Technology, Atlanta, GA, 2011 – Present;
Assistant Professor, Kennesaw State University (formerly Southern Polytechnic State),
Marietta, GA, 1996 – Present;
Staff Programmer, IBM, Atlanta, GA, 1987 – 1994.

Professional Interest:

Computer Science Education Research; Growing and Preparing HS Computing Teachers;
Broadening Participation in Computing.

ACM Activities:

ICER Social Media Chair, SIGCSE, 2015;
SIGCSE Symposium Social Media/Publicity Chair, SIGCSE, 2015;
SIGCSE Symposium Pre-Conference Event Liaison, SIGCSE, 2012;
SIGCSE Symposium Student Volunteers Co-Chair, SIGCSE, 2010 – 2011.

Awards Received:

ICER Chairs' Best Paper, 2015.

STATEMENT

I am an academic convert, having found academia after working in industry. I discovered SIGCSE in 1999 when I attended my first symposium. I was awestruck standing next to authors of textbooks from my classes. As an instructor of CS1/2, SIGCSE proved extremely useful in helping me succeed. As my research expanded into CS Education, SIGCSE has proven even more beneficial, having attended both ICER and ITiCSE. I then became a volunteer within the organization: Student Volunteers Co-Chair for the symposium in 2010 and 2011; the Pre-Conference Event Liaison in 2012; and the Social Media/Publicity Chair in 2015. I was the Social Media Chair for ICER 2015. Now that I am finishing my PhD I am ready to take an expanded role in the organization.

I count as good friends many of the current and previous SIGCSE Board members.

I understand the requirements and commitment of the position. While I am pleased with SIGCSE's current direction, I would like to expand support for CS Ed doctoral students for all three conferences, but especially the Doctoral Consortium. If elected, I promise to work hard for the organization that has given me friends, support, and knowledge.

Candidate for At-Large Member

Cheryl Seals
Auburn University, Auburn, AL, USA

BIOGRAPHY

Academic Background:

Ph.D., Virginia Tech, 2004, Computer Science & Applications (HCI).

Professional Experience:

Associate Professor, Auburn University, Auburn, AL, 2011 – Present;

Assistant Professor, Auburn University, Auburn, AL, 2004 – 2010;

Graduate Research Assistant/PhD. Student, Virginia Tech, Blacksburg, VA, 1997 – 2003.

Professional Interest:

Human Computer Interaction; Educational Gaming; Usability Evaluation & User Experience; Mobile Applications; Online Learning.

ACM Activities:

ACM SIG Conference Committee, SIGCSE - Kids Camp Co-Chair, 2014 – 2015; 2013 – 2014;

ACM SIG Conference Committee, SIGCSE, 2007 – 2009;

ACM SIG Conference Committee, ACM Regional, 2008 – 2009.

Membership and Offices in Related Organizations:

Co-Chair, CRAW/CDC Distinguished Lecture Series (DLS), 2012 – Present.

STATEMENT

It is a great honor to be considered for the SIGCSE board. I am an Associate Professor of Computer Science & Software & Engineering (CSSE) at Auburn University. I'm a professional member of SIGCSE and have been attending SIGCSE beginning as a member of the Doctoral Consortium 2000, 2001 and 2002. I have also served as a member of SIGCSE conference committee in 2009, 2013-2015 (i.e. co-chair of SIGCSE kids camp) and attended SIGCSE's 2016. I have also supported ACM in other capacities as Auburn University partnered with a neighboring University (Tuskegee University) and co-hosted a regional ACM Regional conference. My hope is to support the SIGCSE community to provide programming that continues to be supportive of all of the members of this community in effective and meaningful ways. I can provide a unique perspective and strive to investigate means of being more inclusive and to connect to more members in computing education and engage populations that are not traditionally actively involved in SIGCSE. My hope is to help this organization be prepared for the challenges in the years to come while recognizing and respecting the values and institutional knowledge of existing SIGCSE members and leadership.

Candidate for At-Large Member

RoxAnn H. Stalvey
College of Charleston, Charleston, SC, USA

BIOGRAPHY

Academic Background:

M.S., University of South Carolina, 1999, Computer Science.

Professional Experience:

Associate Chair, College of Charleston, Charleston, SC, 2013 – Present;
Senior Instructor/Instructor, College of Charleston, Charleston, SC, 2000 – Present.

Professional Interest:

Women in Computing; Broadening Participation in Computer Science; K12 Education;
Database Security.

ACM Activities:

SIGCSE Conference Kids Camp Co-Chair, SIGCSE, 2011;
SIGCSE Conference Volunteer Coordinator, SIGCSE, 2010;
SIGCSE Conference Volunteer Assistant Coordinator, SIGCSE, 2009.

STATEMENT

RoxAnn is Senior Instructor and Associate Chair in College of Charleston's Computer Science Department. In 2012 with five advisees and support from CS faculty, she planted the seed for the Women in Computing club. She now serves as the faculty advisor for this club that has a vision to nurture support for women in computer science while growing the percentage of women in the department. The club has seen many successes, including hosting middle school programs, sending members to Grace Hopper Conferences, and networking with the community. In addition to the club, RoxAnn is extremely proud of the work she has done to broaden participation in computer science in South Carolina. Through NSF and Google grants and in collaboration with dynamic leaders in the SIGCSE community, she has run workshops in Alice for high school teachers since 2008 and she has created and delivered Scratch curricular material for middle school teachers.

RoxAnn's desire to be a member-at-large on the SIGCSE board stems from time spent working with SIGCSE conferences of 2009-11. Through these experiences, she gained a great appreciation for the work that SIGCSE does and hopes that she can help contribute to these efforts.

Candidate for At-Large Member

Mark Allen Weiss
Florida International University, Miami, FL, USA

BIOGRAPHY

Academic Background:

Ph.D., Princeton University, 1987, Computer Science.

Professional Experience:

Associate Director for Academic Affairs, School of Computing and Information Sciences, Florida International University, Miami, FL, 2009 – Present;
Eminent Scholar Chaired Professor, Florida International University, Miami, FL, 2014 – Present;
Assistant Professor, Associate Professor, Full Professor, Florida International University, Miami, FL, 1987 – Present.

Professional Interest:

Education; Data Structures and Algorithms.

ACM Activities:

Program Committee, ACM Southeastern Conference, 2006;
Founder, SIGACT News Technical Report Column, SIGACT, 1992 – 1997;
SIGACT News Journal Backlog Report, SIGACT, 1992 – 1997.

Membership and Offices in Related Organizations:

Senior Member, IEEE, 2012 – Present;
Computer Science Discipline Coordinator, Florida Department of Education, 2010 – Present;
Member and then Chair, AP CS Development Committee, College Board, 1997 – 2004

Awards Received:

SIGCSE Award for Outstanding Contribution to CS Education, 2015;
CASE US Professor of the Year Certificate of Nomination, 2014;
Fellow, American Association for Advancement of Science (AAAS), 2012;
ACM Distinguished Educator, 2011.

STATEMENT

Having been a SIGCSE member for over twenty years, I am honored to be considered for the position of SIGCSE At Large Board Member. My high-level goal is to assist our community in raising SIGCSE's visibility to be commensurate with its status as the third largest SIG, and with the high importance everybody seems to attach to Computer Science

education. For instance, I would like to see a SIGCSE-level test-of-time award for seminal CS education research papers that is common in other CS communities such as USENIX, SIGMOD, SIGCOMM, SIGMETRICS, etc., in SIGACT via the Godel Prize or SIGOPS via the Dijkstra Prize. Having spent nearly thirty years at a large minority-serving institution, most recently as an administrator, I would also bring perspective to challenges in CS education faced by these universities.

Candidate for At-Large Member

Timothy Yuen
University of Texas at San Antonio, San Antonio, TX USA

BIOGRAPHY

Academic Background:

Ph.D., University of Texas at Austin, 2008, Curriculum & Instruction.

Professional Experience:

Associate Professor, University of Texas at San Antonio, TX, 2015 – Present;

Assistant Professor, University of Texas at San Antonio, TX, 2009 – 2015;

Technology Developer, Enspire Learning, Austin, TX, 2008 – 2009.

Professional Interest:

Computer Science Education; Engineering Education; Instructional Technology.

ACM Activities:

Reviewer, SIGCSE, 2008 – Present;

Reviewer, iTiCSE, 2010 – Present;

Member, ACM, 2005 – Present.

Membership and Offices in Related Organizations:

Member, IEEE, 2005 – Present.

STATEMENT

I have been a proud member of SIGCSE since 2005 and I am honored and excited about the potential opportunity to further serve the SIGCSE community as a Member-at-Large. I believe my diverse expertise and experiences provide an exceptional foundation for me to serve as a Member-at-Large. As an interdisciplinarian, my work investigates the intersections between computer science education, instructional technologies, and education theories. I have a successful track record in collaborating with faculty and students in CS, engineering, and education in research, teaching, and service projects. I have also been active in my university and community in creating successful STEM experiences for underrepresented minorities. If elected, I plan to continue my efforts in broadening participation in CS on a larger scale and enabling policy changes to create more CS opportunities for all. Lastly, I hope to transform teacher education so that all pre- and in-service teachers will be prepared to teach and integrate CS beginning at the elementary level.