

SURYADIP CHAKRABORTY

Bio:

Professor Dr. Suryadip Chakraborty is an Assistant Professor in the Department of Computer Science and Engineering in Johnson C. Smith University (JCSU) at Charlotte, in the state of North Carolina of the United States since Fall 2016. Prior joining to JCSU- nation's leading HBCU, Dr. Chakraborty worked as a visiting summer instructor at Stanford University in Summer 2016 and a class instructor in the University of Cincinnati (UC) in Cincinnati, Ohio since 2015. Professor Chakraborty was born and brought up in a highly educated middle class family in India which has deeply motivated him to pursue his graduate studies in America- the land of 'Dreams Come True'. Suryadip was graduated with Masters (MS) in Computer Science and PhD in Computer Science and Engineering from UC in 2013 and 2016 respectively. As a strong believer of diversity and inclusiveness in higher education, Professor Chakraborty has actively participated and contributed in different capacities in several programs around the Globe such as Google Summer of Code, Google Android camp, Google faculty-in-residence, ACM Richard Tapia Foundation and celebration of diversity in computing, National Science Foundation's Research Experiences for Undergraduates Mentoring (REU), ACM Grace Hopper celebration of woman in computing, and the GIAN program by the Government of INDIA. Suryadip is a fellowship recipient of the Australian government's Endeavor program, Jane A. Blank Scholarship winner, steering committee member in IEEE Global Humanitarian Technology Conference (IEEE GHTC) since 2013, track chair for Mobile Adhoc and Sensor Systems (IEEE MASS) and currently serving as the youngest member of the Presidential search team for the JCSU President Selection committee.

Position Statement:

Let me express my deep gratitude for the privilege of getting an opportunity to apply for the Chair of the IEEE Technical Committee on Simulation (TCSIM), for the tenure year of 2016-2018. We all proudly know that TCSIM is the IEEE Computer Society Technical Committee where our primary commitment is to promote simulation-related research including simulation designs, development, methodologies, modeling and applications of simulation etc. As computing resources have become more accessible, TCSIM continuously grows as a forum for collaboration, networking, and information sharing on topics related to modeling and simulation in cutting-edge research activities in academia, industry and federal government agencies. Therefore, I sincerely appreciate and deeply acknowledge all the hard work and tireless dedication by all the TCSIM community leadership who helped to build this forum for the exchange of innovative ideas among interested practitioners, researchers, developers, users and students to solve many real world problems and challenges where simulation is an inevitable choice for solution. I always feel honored to have served in different committee in various capacities since 2013, ranging from organizing conferences, maintaining web portals, building community listserv and serving as reviewers in many conferences and journals managed by the TCSIM leaderships in many TCSIM sponsored events. If get elected, I promise to work very closely with our members, researchers and contributors on the following areas, for which I sincerely solicit your belief and support to my candidature.

Expanding and encouraging the involvement of different research domain experts:

As per the TCSIM 2014 report and plan for 2015 available on TCSIM web portal, our quarterly newsletter, webinar series, conference and journal participation and current membership demographic detail strongly indicate that majority of the TCSIM members still belong to computer networking research domain and networks-related expertise. My first and foremost responsibility as your leader will be to promote the importance and the strength of TCSIM community, rooted in computing and simulation, and to reach out to a wide cross-section of disciplines, from large data-centers to communication systems to biological computing, and seeking active participation from members with many rich and diverse interests in several areas of computing such as virtual reality, deep learning, internet-of-everything, parallel and operating system, computer architecture, computer graphics, hardware-software designs etc. I also believe to have unconditional and strong support from the past and current TCSIM committee and editorial board members so that our team can find out some innovative paths to encourage and inspire more participation in our TCSIM community in near future.

Increasing student's participation, interest and membership:

As a long history of TCSIM's strong commitment to supporting and helping student researcher's involvement and active participation by sponsoring registration discounts, best paper award, student's travel and participation awards, our team under my leadership would be committed to explore new mechanisms to add more awards, incentives and similar benefits by introducing collaborative partnership with several non-profit organizations, other research communities, federal agencies and industrial partners. Our team will always focus to increase the presence and the visibility of TCSIM in the research community by increasing the web-based accessibility of TCSIM newsletters proposed in 2015 plan report, introducing more conference participation and participating in research activities with other IEEE sister communities, and expanding the webinars available to more audience by inviting leading experts, researchers and similar participants.

TCSIM Outreach Program:

Our team under my leadership will lead an initiative to firmly integrate with our sister communities and their committee leadership to find new opportunities to serve better for the entire IEEE community. Like several TCSIM members, we will keep growing our joint efforts and strong participation with mutual interest among different IEEE technical councils, technical committees, technical consortiums and branches. In order to fulfill my promise to elevate TCSIM as one of the leading and highly-engaging community, I would propose to introduce TCSIM table representation along with TCSIM volunteer/s in major regional, national and international conferences, research events encouraging a broader impact and boosting up the potential new participation and collaboration in and outside of our establishment.

Therefore, I sincerely look forward to get your enough support and active involvement as we all work together as a big team in different capacity but fostering the same goal in mind – expanding the TCSIM community into a dynamic, highly energetic, powerful, inclusive and diverse group of simulation experts and practitioners and thus creating new pathways for a new generation of young researchers.