

Candidate for Executive Council Member
(1 July 2020 – 30 June 2024)



Supratik Chakraborty
IIT Bombay
India

BIOGRAPHY

Supratik Chakraborty is Bajaj Group Chair Professor in Department of Computer Science and Engineering at IIT Bombay. He also leads the Center for Formal Design and Verification of Software at IIT Bombay.

Supratik received the President of India Gold Medal from IIT Kharagpur, and is a Fellow of Indian National Academy of Engineering. His professional interests include design and verification of reliable computer systems. He has successfully executed several sponsored and consultancy projects with private companies and government agencies over the last 20 years. He has served on the Executive Council of ACM India from 2012-2016 and again from 2018-present.

STATEMENT

As part of the Executive Council of ACM-India (2012-2016 and 2018-present), I have been deeply involved in shaping two of its flagship programs: ACM India Doctoral Dissertation Award and ACM India-IARCS Travel Grants Program. I intend to continue working to make these programs even more strong, prestigious and competitive, and use them to stimulate top quality research and publications from Indian students and researchers. I'd also like to work towards having more nominations, and hopefully successful ones, from India to the ACM (worldwide) Doctoral Dissertation Award competition. Data from the last few years shows that while top-tier institutions in India have been consistently producing research of high quality, there is significant distance to cover for the next rung of institutes and universities. Some of this gap stems from systemic issues. However, some other aspects of the gap can be addressed through

appropriate mentoring programs. I intend to work towards narrowing this gap as much as is feasible. I also wish to strengthen the distinguished/eminant speaker program by enhancing participation from the academia and industry (from India and beyond). This will also hopefully stimulate higher quality work from non-top-tier institutes, perhaps done in collaboration with established computer scientists.

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Maria Choudhary
Oracle India Pvt Ltd, Bengaluru
India

BIOGRAPHY

Maria Choudhary is a Principal Engineer at Oracle India Pvt Ltd and has been a member of ACM as both a student and a Professional member for the past 15 1/2 years. She is the Secretary/Treasurer of ACM India.

She holds a Bsc (Physics), MCA from Goa University and an MS from Stevens Institute of Technology, NJ USA. She has been with Oracle (India/USA) for the past 18.5 years. She is currently working in the Development Team on OCI in Cloud Storage and Fusion Middleware. She also worked at AT&T, USA and as a Student Research scholar at IIT-Mumbai.

STATEMENT

ACM has a lot to offer to the Indian computing community. Here are my goals.

1. I would like to create an environment in increasing industry and academia collaboration in research and create initiatives to improve the quality of computing education being imparted at all Tiers with Industry collaboration.
2. I would like to increase our ACM India membership by providing tangible benefits to both Professionals as well as students.
3. I would like to encourage our student chapters to be more vibrant and collaborate with other student chapters through ACM Student Regional events.

4. I would like to work in promoting and encouraging Women participation in the computing field by conducting Women specific events like Hackathons, Leadership seminars and promote a ground for Research collaboration.

Candidate for Executive Council Member
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Gargi B. Dasgupta
IBM Research, Bengaluru
India

BIOGRAPHY

Gargi B. Dasgupta is the Director for IBM Research in India and the CTO for IBM India/South Asia. She is also a Distinguished Engineer at IBM recognized for her contributions to enterprise AI and automation solutions. In 2019 Gargi was selected by Fortune as one among India's top 50 women in Business. Gargi is an ACM Distinguished Speaker and an alumnus of Jadavpur University, Kolkata and University of Maryland, Baltimore County. Gargi has been with IBM since 2004 when she joined as a Research Staff Member.

STATEMENT

Gargi in her role as Director of IBM Research India is responsible for establishing and executing the technical agenda of IBM's India Research Lab in collaboration with IBM's worldwide research labs and business units. In her role as CTO, Gargi is responsible for representing and communicating IBM's overall technical vision & strategy with key stakeholders across the India/South Asia ecosystem - from developers and start-ups to key clients, analysts, media, and industry experts.

Prior to this role Gargi was the Senior Manager at IBM Research-India leading the work in AI for Automation driving both deep technology innovations and real impact into IBM's enterprise solutions. Gargi serves as a strategist for IBM Research, working closely with IBM's AI and Hybrid Cloud business and global services businesses to take innovative solutions to clients across the globe. She helped establish new research directions at the intersection of service science, text analytics, and AI. She is a strong

believer in promoting STEM and passionate about strengthening India's technical positioning.

Candidate for Executive Council Member
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Neelima Gupta
University of Delhi
India

BIOGRAPHY

Neelima Gupta is a Professor and Head of the Department of Computer Science at University of Delhi (DU). She obtained her PhD in Computer Science from IIT-Delhi in 1998. She has been teaching at DU for 30 years. Her research focuses on approximation algorithms - she collaborates with researchers from IIT-D, IBM-IRL and Northwestern University, USA; she has published several papers including venues such as IPCO, ESA and ISMP. She has been a member of ACM since 2011 and has served as VP and Secretary for ACM Delhi-NCR Professional Chapter, chaired IRISS's TPC thrice and is currently advisory committee member, IRISS.

STATEMENT

Neelima Gupta is passionate about improving diversity and equality for education in India. As an ACM-India Council member, she intends to leverage her breadth and depth of experience, in academic as well as administrative settings at DU and ACM Delhi-NCR, to uplift the underprivileged students by increasing the accessibility of opportunities in Computer Science. She is also keen to foster and showcase groundbreaking young research talent - she has been actively engaged in the activities of IRISS since it's rebirth in 2014.

She has a track record of creating impact from the grass-root levels. At DU, she has arranged extra classes in computer programming and algorithms for such students, and FDPs in Algorithms for college teachers. She has also been previously involved with designing CBSE's curriculum for CS/IT. As a council member of the Delhi-NCR chapter, she has led the establishment of multiple student chapters in Delhi-NCR colleges, organized multiple events, like Turing Centenary Celebrations Event in 2012.

Over the span of her academic career, she has served on multiple Program Committees and organized technical workshops in the broader area of Theoretical Computer Science. Currently, she serves on the advisory committee for ACM-India's IRISS, having chaired its TPC thrice before.

Candidate for Executive Council Member
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Viraj Kumar
Indian Institute of Science, Bangalore
India

BIOGRAPHY

After completing my Ph.D. in Computer Science from UIUC in 2007, I taught at a liberal arts college and a research university in the US (at the latter institution, UIUC, I received the Rose Award for Excellence in Undergraduate Education). Based on my research in educational technology for the Indian context, I was invited to serve as a consultant to the Kasturirangan Committee to draft the National Education Policy (2017-18) prior to joining IISc Bangalore. I have contributed to ACM India's efforts to improve the quality of CS education since 2015, and I serve as ACM India's iSIGCSE chapter chair.

STATEMENT

Given the poor quality of CS education at most Indian institutions, my goal is to find feasible ways to address the underlying challenges. As an ACM India Council member, I intend to build on two approaches that have shown some promise: (1) Working with national-level bodies including AICTE to improve the CS curriculum based on ACM India recommendations, and (2) Developing high-quality resources for faculty outside Tier-1 institutions to improve CS pedagogy, raise awareness of industry best practices, and engage with educational research. The latter has been the focus of ACM India's COMPUTE conference, which I have co-chaired since 2018. My objective is to continue to grow this faculty community (including by contributing to IISc's expanding programmes for faculty training and promoting ACM India's efforts within this network), to explore meaningful models for industry-faculty engagements (I have participated in initial discussions with ACM India Council members and some industries), and to increase engagement with the international CS educational research community (I have contributed towards India's successful bid to host CompEd 2021). Beyond these

immediate objectives, I am keen to contribute to ACM India's policy recommendations, particularly in the areas of Computing Ethics and Computing to address challenges in Sustainability/Climate Change.

Candidate for Executive Council Member
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Ponnurangam Kumaraguru
IIIT, Delhi
India

BIOGRAPHY

Ponnurangam Kumaraguru is a Professor of Computer Science, Dean of Student Affairs, and Founding Head of Cybersecurity Education and Research Centre at IIIT-Delhi. PK is a TEDx, ACM Distinguished and ACM India Eminent Speaker. PK received his Ph.D. from Carnegie Mellon University. His Ph.D. research on anti-phishing contributed in creating Wombat Security Technologies which was acquired for \$225 Million. PK has been Program Committee member at prestigious conferences like WWW, CHI, PETs, ICWSM, CSCW. PK founded PreCog research group which aims to solve societal problems using technology. His work on Selfie Deaths, Distracted Driving, #LokSabhaElections2019 garnered media and public attention.

STATEMENT

1. **#ConversationWithACMIndia:** I strongly believe there is a need to democratize access to high quality knowledge, and inspiring individuals. This can be best achieved through conversations with Technologists, Researchers, and inspiring individuals across the world. I will do Facebook/YouTube Live sessions with such individuals. To scale this, I will get other faculty / researchers interested in doing this.
2. **Tinder-ing Students & Faculty / Researcher / Practitioner:** There is a pool of extremely smart students who are interested in doing focussed research, but don't have anyone to direct them. I will explore ways by which we can do match-making between such students and eminent researchers in India, potentially for open source projects.
3. **Ph.D. Clinics:** Here Ph.D. students bring their ideas, present it online, get feedback from experts across the country/world. This will increase the quality of research by Ph.D. students in the country.

- 4. Social Media Visibility:** In today's world, having a strong social media presence is extremely important, I will work towards creating accounts on various social media platforms, getting them verified wherever possible and making them popular. @ACMIndia Twitter is a non-verified account has only 245 followers, we do not have a Facebook, LinkedIn, or Instagram account.

Candidate for Executive Council Member

(1 July 2020 – 30 June 2024)



Sudhir Kumar Patnaik
Gibraltar India Solutions LLP, Bangalore
India

BIOGRAPHY

Sudhir Kumar Patnaik is currently working as Vice President, Engineering & Site Lead, Gibraltar India Solutions LLP, Bangalore, INDIA. Sudhir has 25+ years of experience in software engineering and academia including companies such as Intuit India Development Center, as VP of Platform Engineering & Operations and other engineering leadership roles at Dassault Bangalore R&D and Misys Healthcare India Development Center. He holds a Master's degree in Electronics & Communication from NIT, Rourkela and currently pursuing a Ph.D. in Machine learning from MSRUAS in Bangalore. Sudhir is Industry Advisory Board member at IIIT, Bangalore and Board of Studies for CSE at VIT, AP.

STATEMENT

Given the opportunity to be a member of the ACM India Council, it will be my privilege to achieve the following objectives and goals during my tenure as a member. Having 25+ years of Industry experience in Software Development and Leadership, in addition to close association with academia such as VIT AP and IIIT Bangalore, I can focus on an Industry-Academia program that brings together Industry Experts and Academicians and enables closer partnerships through research & collaboration; faculty development programs; and inviting more academicians to industry to enrich IT professionals' knowledge in emerging areas such as data science and artificial intelligence. While on the other hand, providing hands on experience to faculty from academia on the tools and technologies used in the advancement and application of areas such as data engineering, analytics and science in the industry. Most importantly, I will create awareness of ACM within the IT industry which is not as much as it should have been and drive corporate/individual membership of ACM from within the IT industry besides enabling access to research articles pertaining to Software Industry.

Candidate for Executive Council Member
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Venkatesh Raman
Institute of Mathematical Sciences, Chennai
India

BIOGRAPHY

Venkatesh Raman did his Ph.D. in Computer Science from the University of Waterloo, Canada and since 1991, he has been a faculty at the Institute of Mathematical Sciences, Chennai where he is currently a Professor.

His primary research interests are in Data Structures and Algorithms, and he has published a number of research papers and supervised several Ph.D. students in this area. He has also organised or participated in a number of faculty development programs in the area of Algorithms in colleges all over the country.

STATEMENT

In the last four years while I have been on the ACM-India Executive Council, among other things, I have helped:

- initiate the highly popular ACM-India summer schools which is on its fourth edition this year, and is becoming a FORUM for industry-faculty-student interactions in modern areas of computing;
- restructure IRISS, the forum for Ph.D. students in the country, to a two-day event with more faculty and student presentations and panel discussions that are of interest to research students;
- restructure the ESP (Eminent Speaker Program) of ACM-India;

- organise COMPUTE (a conference for computer science education) and publicise it widely among Tier II teachers;
- organise CTiS (a conference on Computational Thinking in Schools) which is in its second edition in 2020.

If elected again, I hope to identify more useful activities to benefit faculty and students from new IITs and Tier II institutions, as in particular, they form the bulk of membership of ACM-India.

Candidate for Executive Council Member
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Shourya Roy
American Express, Bengaluru
India

BIOGRAPHY

Shourya Roy is the Head and Vice-President of AI Labs in American Express. He leads a team of 50+ researchers and engineers working on several transformative AI initiatives in the payments industry. In 17 years of research career, Shourya's work has led to 70+ papers and granted with 15 patents. Since 2018 he has been serving as the Vice-Chair of the India Chapter of ACM SIGKDD. He has been associated with ACM CODS-COMAD, the flagship conference in Data Science and Databases in India (Program Chair in 2018, General Chair in 2021). Shourya is an ACM Distinguished Member.

STATEMENT

As an ACM India Executive Committee member, I will lend my active support to activities pursued by ACM India in collaboration with fellow members. During my tenure, I will work towards spreading awareness about ACM in student and professional communities of India. In particular, I would like to help drive events such as ACM IRISS as well as initiate new events providing effective and larger platforms for building a more vibrant computer science research ecosystem in India. I believe, my strong Indian and global network as well as experience of organizing such events in the past would be useful towards achieving this goal. I will, of course, continue my active role as the Vice Chair of IKDD with a particular focus on making CODS-COMAD a globally reputed top-tier conference. Additionally, I intend to explore contributing towards initiating ACM India Programs to get school children introduced to and excited about real-life potential and possibilities of different fields of Computer Science such as AI, ML, IoT, etc. I strongly believe that the next generation should get exposed to this wonderful world of computing towards making this planet a better place to live.

Candidate for Executive Council Member
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Rajnish Sharma
Chitkara University, Punjab
India

BIOGRAPHY

Dean (Research) at Chitkara University, Punjab since 2016, Dean (Academics) from 2008 to 2016 | Ph.D. from National Physical Laboratory, New Delhi, 2002 | Served BITS, Pillani for 6 years | Visiting Scholar at Purdue University, USA | Regular member of Global Engineering Deans Council for the last 8 years | Executive committee member of IEEE Delhi Section for the last 2 tenures| 40 research papers to his credit | One book to his credit published by Oxford University Press | ACM India COMPUTE 2018 Local Organizing Chair | Volunteered to manage all social media postings for ACM India.

STATEMENT

Rajnish has a deep passion toward improvement and implementation of systems in the Education sector. He has been closely associated with ACM India since 2017 when his institute, Chitkara University, was selected to host the prestigious event COMPUTE 2018. Rajnish took on the responsibility to be the Local Organizing chair of the event and did the job almost flawlessly along with the support of his team members. For the last year or so, he has been handling the task of keeping the social media channels of ACM India updated. With guidance from the ACM India team and his own initiatives, the number of followers on social media channels has grown by almost 400% in the last year. He has been a key resource in the development of the processes for selection of Best ACM India Student Chapter 2020 and developed the technological solution for implementation of a seamless process. He would wish to build further on it and get many more technological solutions developed for ACM India which will help the smooth organization of many routine activities, if elected on the Executive Council of ACM India.

Candidate for Executive Council Member
(1 July 2020 – 30 June 2024)



Rajeev Shorey
Tata Consultancy Services (TCS) Innovation Labs, Bengaluru
India

BIOGRAPHY

Dr. Rajeev Shorey is a Principal Scientist with Tata Consultancy Services (TCS) Research & Innovation. He is an adjunct faculty in the Computer Science & Engineering Department at IIT Delhi. He received Ph.D., M.S. and B.E. degrees, all from IISc, Bangalore.

Dr. Shorey's work has resulted in more than 60 publications. He has 12 issued US patents. Rajeev is extremely active and visible in the computing community, with over 3310 citations and H-index of 28. He was elected a Fellow of the Indian National Academy of Engineering in 2007. He was recognized by ACM as a Distinguished Scientist in 2014.

STATEMENT

I have been actively involved in ACM activities in India since the last decade. I have had the pleasure and privilege of being elected as an ACM Distinguished Scientist in 2014 and having served as the General Co-Chair of some of the most reputed ACM conferences held in India for the first time – ACM SIGCOMM 2010 and ACM MobiCom 2018, to name a few. I have been instrumental in starting IMOBILE - the India chapter of ACM SIGMOBILE in January 2020.

Some of the key goals and objectives that I would like to achieve during my term are listed below:

- Continue to attract reputed ACM conferences to India.

- Invite ACM Turing laureates to deliver lectures and interact with faculty members and students from universities.
- Encourage students and faculty members to become active ACM members.
- Assist deserving candidates in India to go up as Senior Members of ACM and Distinguished Scientists/Engineers of ACM.
- Leverage deep expertise of ACM India Distinguished Members and ACM Fellows to enhance the quality of Computer Science education in the country.
- Deliver at least one talk per quarter in universities and industries.
- Serve as a mentor for select students.

Candidate for Executive Council Member
(1 July 2020 – 30 June 2024)



Yogesh Simmhan
Indian Institute of Science, Bangalore
India

BIOGRAPHY

Yogesh Simmhan is a faculty at the Indian Institute of Science, Bangalore. He has published over 100 refereed papers on distributed systems, with Best Paper Award at IEEE CLOUD 2019 and IEEE TCSC SCALE Challenge Award in 2019 and 2012. He is an Associate EiC of JPDC, and General Chair of IEEE/ACM CCGRID 2022 Conference. He has a Ph.D. in Computer Science from Indiana University, and was previously a Research Faculty at the University of Southern California, and a Postdoc at Microsoft Research, San Francisco. He is a Senior Member of ACM and IEEE.

STATEMENT

Being in Academia, I value the strengths that student members bring to ACM India. Creating value for students and engaging them in ACM programs is a symbiotic relationship. Summer and Winter schools are one such important initiative that can be broadened through joint participation by academia, industry and national labs. Having hosted one of these, I recognize the value diverse students coming together to learn technology and stay connected with their peers. I also see a vital need to strengthen the participation of women students in computing and programming by interfacing with the ACM-W India initiative, and improving the enrolment of women students in the post-graduate and doctoral programs. As a new candidate to the executive council, I hope to bring in fresh ideas to enhance the activities and the impact of ACM India.