

Advisors for CSE Department, IIT Jodhpur

Indian Academics:

- Prof. Bimal Roy, Professor, ISI Kolkata
- Prof. Chiranjib Bhattacharya, IISc Bangalore
- Prof. Naveen Garg, Professor, IIT Delhi

International Academics:

- Prof. Sartaj Sahni, Professor, University of Florida, USA
- Prof. Venu Govindaraju, Vice President - Office of Research and Economic Development, SUNY Distinguished Professor, SUNY, University at Buffalo, USA

Industry:

- Dr. Gargi Banerjee Dasgupta, Director, IBM Research India & CTO, IBM India and South Asia
- Dr. Shivkumar Kalyanaraman, CTO, Energy & Mobility, Microsoft R&D India
- Dr. Gautam, Shroff, Sr. Vice President and Head of Research at Tata Consultancy Services

Advisors	Details
Indian Academics	
Prof. Bimal Roy, ISI Kolkata	<p>Bimal Kumar Roy is an Ex-Director of the Indian Statistical Institute. He is a renowned cryptologist from the Cryptology Research Group of the Applied Statistics Unit of ISI, Kolkata. He received a Ph.D. in Combinatorics and Optimization in 1982 from the University of Waterloo under the joint supervision of Ronald C. Mullin and Paul Jacob Schellenberg. He is currently working on Combinatorics, and application of Statistics in Cryptology and Design of Experiments. In 2015, Prof Roy was awarded Padma Shri, India's fourth highest civilian honour, recognizing his accomplishments and contribution to education.</p> <p>Website: https://www.isical.ac.in/~bimal/</p>
Prof. Chiranjib Bhattacharyya, IISc Bangalore	<p>Chiranjib Bhattacharyya is currently Professor and the chair of the Department of Computer Science and Automation, Indian Institute of Science. His research interests are in foundations of Machine Learning, Optimisation and their applications to Industrial problems. He has authored numerous papers in leading journals and conferences in Machine Learning. Some of his results have won best paper awards. He joined the Department of CSA, IISc, in 2002 as an Assistant Professor. Prior to joining the Department he was a postdoctoral fellow at UC Berkeley. He holds BE and ME degrees, both in Electrical Engineering, from Jadavpur University and the Indian Institute of Science, respectively, and completed his PhD from the Department of Computer Science and Automation, Indian Institute of Science. He is also a fellow of Indian Academy of Engineering</p> <p>Website: https://www.csa.iisc.ac.in/~chiru/</p>
Prof. Naveen Garg, IIT Delhi	<p>Naveen Garg is the Janaki and K. A. Iyer Chair Professor of Computer Science at the Indian Institute of Technology Delhi. He did his B.Tech. and Ph.D. in Computer Science from IIT Delhi, was a postdoctoral researcher at the Max-Planck-Institut fur Informatik, Germany and since 1998 he has been a faculty member at IIT Delhi. Naveen's contributions are primarily in the design and analysis of approximation algorithms for NP-hard combinatorial optimization problems arising in network design, scheduling, routing, facility location etc. He is a Fellow of Indian Academy of Science, Bangalore and was awarded the SS Bhatnagar award for Mathematical Sciences in 2016.</p> <p>Website: http://www.cse.iitd.ernet.in/~naveen/</p>

International Academics

<p>Prof. Sartaj Sahni, University of Florida</p>	<p>Sartaj Sahni is a Distinguished Professor of Computer and Information Sciences and Engineering at the University of Florida. He is also a member of the European Academy of Sciences, a Fellow of IEEE, ACM, AAAS, and Minnesota Supercomputer Institute, and a Distinguished Alumnus of the Indian Institute of Technology, Kanpur. In 1997, he was awarded the IEEE Computer Society Taylor L. Booth Education Award “for contributions to Computer Science and Engineering education in the areas of data structures, algorithms, and parallel algorithms”, and in 2003, he was awarded the IEEE Computer Society W. Wallace McDowell Award “for contributions to the theory of NP-hard and NP-complete problems”. Dr. Sahni was awarded the 2003 ACM Karl Karlstrom Outstanding Educator Award for “outstanding contributions to computing education through inspired teaching, development of courses and curricula for distance education, contributions to professional societies, and authoring significant textbooks in several areas including discrete mathematics, data structures, algorithms, and parallel and distributed computing”. In 2016, Dr. Sahni was awarded the IEEE Technical Committee on Scalable Computing (TCSC) Award for Excellence in Scalable Computing for “fundamental contributions to scalable computing and leadership in service to the scalable computing community”.</p> <p>Website: https://www.cise.ufl.edu/~sahni/</p>
<p>Prof. Venu Govindaraju, Vice President - Office of Research and Economic Development, SUNY Distinguished Professor, SUNY, University at Buffalo</p>	<p>Venu Govindaraju is responsible for managing UB's research enterprise, university/industry relations and economic development, contributing to the economic and cultural vitality of New York State and around the world. Govindaraju's research focuses on machine learning and pattern recognition and his seminal work in handwriting recognition was at the core of the first handwritten address interpretation system used by the U.S. Postal Service. He has an extraordinary sponsored funding record, having been the principal investigator or co-principal investigator on roughly \$65 million in research funding, including active awards from the National Science Foundation, the Department of Defense, and industrial sponsors such as Qualcomm and Raytheon BBN Technologies. Govindaraju holds a BS degree with honors from the Indian Institute of Technology, and MS and PhD degrees from UB.</p> <p>Website: https://www.buffalo.edu/cubs/members/venu-govindaraju.html</p>
Industry Mentors	
<p>Dr. Gargi Banerjee Dasgupta, Director, IBM Research India & CTO, IBM India and South Asia</p>	<p>Gargi Banerjee is the Director of IBM Research India and the CTO of IBM India and South Asia. Her focus is on realizing the vision of Future of Computing through the infusion of AI and Blockchain into the enterprise ecosystem. As CTO, her job is to help IBM India lead with innovations in Cloud and Cognitive.</p> <p>Website: https://researcher.watson.ibm.com/researcher/view.php?person=in-GaargiDasgupta</p>

<p>Dr. Shivkumar Kalyanaraman, CTO, Energy & Mobility, Microsoft R&D India</p>	<p>Shivkumar Kalyanaraman serves as CTO, Energy & Mobility, Microsoft R&D India (& Azure Global). Previously he was Executive GM, GE Power Conversion (e-mobility and distributed solar businesses); and earlier Program Director, Special Initiatives, IBM Research - India, Bangalore responsible for transformative innovation in renewables (esp solar), energy storage and electrified transportation. Till mid-2015 he was the Chief Scientist, IBM Research - Australia, Melbourne, Australia. Previously, he was Senior Manager of the Next Gen Systems & Smarter Planet Solutions Department, and Senior Researcher at IBM India Research Labs Bangalore; and earlier served as manager of the Next Generation Telecom Research group and a Research Staff Member since 2008. Prior to joining IBM, he was a Professor at the Department of Electrical, Computer and Systems Engineering at Rensselaer Polytechnic Institute in Troy, NY. He received a B.Tech degree in Computer Science from the Indian Institute of Technology, Madras, India in July 1993 followed by M.S. and Ph.D. degrees at the Ohio State University in 1994 and 1997 respectively. He also holds an Executive M.B.A. (EMBA) degree from Rensselaer Polytechnic Institute (2005). His current research in IBM is at the intersection of emerging wireless technologies and IBM middleware and systems technologies with applications to large-scale smarter planet problems (grids, traffic, finance etc). He was selected by MIT's Technology Review Magazine in 1999 as one of the top 100 young innovators for the new millenium. He served as the TPC Co-chair of IEEE INFOCOM 2008, and as the General co-chair of ACM SIGCOMM 2010 in New Delhi. He has served on the editorial board of IEEE/ACM Transactions of Networking. He is a Fellow of IEEE and an ACM Distinguished Scientist, and recently named Fellow, Indian National Academy of Engineering (INAE).</p> <p>Website: http://www.shivkumar.org/</p>
<p>Dr. Gautam, Shroff, Sr. Vice President & Head of Research, Tata Consultancy Services</p>	<p>Gautam Shroff serves as the Vice President, Chief Scientist and Head, TCS Research and Innovation. Dr. Gautam Shroff is a Vice President and Chief Scientist in TCS and heads TCS Research across all research areas spanning software, computing, security data science, artificial intelligence as well as life sciences, materials and behavioural sciences.</p> <p>https://www.linkedin.com/in/gautam-shroff-066901/</p>