

Brief Biography of Dr. S. S. Iyengar

Website <http://users.cis.fiu.edu/~iyengar/>



S. S. Iyengar is a Distinguished Ryder Professor and Director of the School of Computing and Information Sciences at the Florida International University, Miami. Iyengar is a pioneer in the field of distributed sensor networks/sensor fusion, computational aspects of robotics and high performance computing. Iyengar has published over 500 research papers and has authored/edited 22 books published by MIT Press, John Wiley & Sons, Prentice Hall, CRC Press, Springer Verlag, etc. These publications have been used in major universities all over the world. His research publications are on the design and analysis of efficient algorithms, parallel computing, sensor networks, and robotics.

He is also a member of the European Academy of Sciences, a Fellow of IEEE, a Fellow of ACM, a Fellow of AAAS, and a Fellow of Society of Design and Process Program (SPDS), Fellow of Institution of Engineers (FIE), awarded a Distinguished Alumnus Award of the Indian Institute of Science, Bangalore, and was awarded the IEEE Computer Society Technical Achievement for the contributions to sensor fusion algorithms, and parallel algorithms. He has received a Lifetime Achievement Award conferred by International Society of Agile Manufacturing (ISAM) in recognition of his illustrious career in teaching, research and administration and a lifelong contribution to the fields of Engineering and Computer Science at Indian Institute of Technology (BHU). Iyengar and Nulogix were awarded in the 2012 Innovation 2 Industry (i2i) Florida competition. Iyengar received Distinguished Research Award from Xaimen University, China for his research in Sensor Networks, Computer Vision and Image Processing Iyengar's landmark contributions with his research group is the development of grid coverage for surveillance and target location in distributed sensor networks and Brooks Iyengar fusion algorithm. He has also been awarded honorary Doctorate of Science and Engineering from an institution.

He serves on the advisory board of many corporations and universities in the world. He has served on many National Science Boards such as NIH - National Library of Medicine in Bioinformatics, National Science Foundation review panel, NASA Space Science, Department of Homeland Security, Office of Naval Security, and many others. His contribution was a centerpiece of this pioneering effort to develop image analysis for our science and technology and to the Goals of the US Naval Research Laboratory. The impact of his research contributions can be seen in companies/National Labs like Raytheon, Telecordia, Motorola, the United States Navy, DARPA agencies, etc. His contribution in DARPAS's program demonstration with BBN, Cambridge, Massachusetts, MURI, researchers from PSU/ARL, Duke, University of Wisconsin, UCLA, Cornell university and LSU.

He is also the founding Editor of International Journal of Distributed Sensor Networks. He is presently the Editor of ACM Computing Surveys and other journals. Also he is the founding director of the FIU's Discovery Laboratory. His research work has been cited over extensively in Wikipedia and in other places. Iyengar has graduated over 55 Ph.D. students, 100s of Masters Students and large number of Post-doctoral fellows at various institutions in the world. He also had many undergraduate students working on his research projects.

His fundamental work has been transitioned into unique technologies. All through his three-decade long professional career, Iyengar has devoted and employed mathematical morphology in a unique way for quantitative understanding of computational processes for many applications.