



# Celebration of Success of Dr. Iyengar's Post Docs, Graduate and Undergraduate Students during the last forty years in USA

Aug. 31<sup>st</sup> – Sep 2<sup>nd</sup> 2017

Florida Polytechnic University, Lakeland, Florida





# PART I:

## DR. IYENGAR'S POSTDOC & PHD STUDENTS



**Dr. N. Parameswaran (PostDoc, 1985 & 2006)** is a Senior Lecturer in the School of Computer Science and Engineering, University of New South Wales, Sydney, Australia. He works in the area of ontology based intelligent agent technology, wireless sensors applications, natural language

processing, and video event annotations. His teaching interest includes artificial intelligence, Internet programming, and multi-agent systems. He is currently building scalable policy based applications on wireless computing platforms in health-care domain. He earned his PhD in Computer Science from I.I.S.C.



**Dr. Gregory Vert (PostDoc, 2007)**

is currently working at Texas A&M Central, Texas as Assistant Professor from 2009. He earned his BS in Geography field at University of Washington, US. And MS in Information Systems Management at Seattle Pacific University, US. And pursued PhD in Computer Science at University of Idaho, US. Dr. Gregory Vert worked as Senior Postdoctoral Researcher at Louisiana State University, under supervision of Dr. Iyengar. His research

interests include Information Technology and Intelligent Computing, Computer Science and Network Security, Cybernetics, Transactions on Knowledge and Data Engineering. **Email:** greg.vert@erau.edu



**Dr. Noureddine Boudriga (Post-Doc, 2010)** is an internationally known scientist/academic. He received his Ph.D. in algebraic topology from the University of Paris (France) and his Ph.D. in computer science from the University of Tunis (Tunisia). He is currently a professor of telecommunications at the University of Carthage, Tunisia, and the director of the Com-

munication Networks and Security Research Laboratory (CNAS). Dr. Boudriga is the recipient of the Tunisian Presidential Award in Science and Research (2004). He has served as the General Director and founder of the Tunisian National Digital Certification Agency. He has been very actively involved in research and has authored or co-authored many

chapters and books, including more than 350 published journal and conference papers. Prof. Boudriga is the President of the Tunisia Scientific Telecommunications Society. **Email:** nab@supcom.rnu.tn



**Dr. Rajnish Kumar (PostDoc at LSU and FIU, 2011 & 2012)** is

currently serving as Scientist and Assistant Professor at Council of Scientific and Industrial Research (CSIR)-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow-India. His area of research interests are Biochemical and Molecular Neurotoxicology, Stem Cell Neurobiology, regenerative medicine and Neuro-degenerative

disorders. Recently, he is involved to assess the cellular and molecular mechanism of neuro-degenerative disorders, and how environmental toxicants modulate the disease pathogenesis. He is also trying to identify the molecules which can induce "BRAIN SELF REPAIR" by activating resident NSC population. He earned his PhD in Economics from Rice University. **Email:** rajnish.kumar@qub.ac.uk



**Dr. Yongcai Wang (Visiting Researcher, 2014)** is an assistant re-

searcher at Institute for Interdisciplinary Information Sciences (IIIS), Tsinghua University, headed by Prof. Andrew Yao. He got his BSc degree from Tsinghua University, China in 2001; PhD degree from Tsinghua University China in 2006 (advisors Dazhong Zheng, Qianchuan Zhao). He worked as an associate researcher in

NEC Labs. China from 2007 to 2009. From 2009 to 2011, he was a post doctor at Institute for Interdisciplinary Information Sciences (IIIS). Since 2011, he is an assistant researcher at IIIS. He was a visiting scholar in Cornell University from Feb. 2014 to August 2014. His major research interests lie in the broad area of sensor information fusion, network measurement, wireless locating algorithms, and systems. He co-authored several papers in major network science conferences and journals. He received the best paper awards at Ubicomm2009 and CWSN2011. He holds several Chinese and international patents on ultrasound locating systems. His research results "ultrasound locating system" were commercialized by NEC and exhibited in World Expo 2014. **Email:** wangyc@tsinghua.edu.cn



**Dr. S. V. N. Rao (1988)** received his B.Tech in Electronics and Communications Engineering from Regional Engineering College, Warangal, India. Then, he got his ME in Computer Science and Automation from Indian Institute of Science in 1984. He finished his PhD under supervision of Dr. Iyengar from Louisiana State University. He served as an Assistant Professor in Department of Computer Science, Old

Dominion University from 1988 to 1993. He was the UT-Battelle Corporate Fellow (2001), Distinguished Staff Member (2001), Senior Staff Member (1997) and Staff Member (1993) in Oak Ridge National Laboratory. His research interests include sensor networks, robotics and algorithms. **Email:** raons@ornl.gov



**Dr. Sudharsan R. Iyengar (1989)** received his PhD in Computer Science under supervision of Dr. S. S. Iyengar from Louisiana State University. His dissertation title was "A Framework for Efficient Execution of Logic Programs". His research interests include Artificial Intelligence and Intelligent Systems, Object Based Systems Development, Distributed Applications and Systems, Embedded Controls, Programming Languages and their Design, Algorithms and Data Structures, and Concurrency. His current research projects include Modeling, and developing, the kernel for a Speech/Chant/Music Generating Artificial System, Developing a Universal Cognitive Platform for Audio, Video, and Analytical Reasoning, and Alliteration and Memory Models. **Email:** siyengar@winona.edu



**Dr. Tai-Tsung Ho (1989)** was born in Keelung, Taiwan in 1957. He earned his bachelor degree in Industrial Engineering from National Tsing Hua University, Taiwan in 1980. He served as a lieutenant in The Army of Republic of China from 1980 to 1982. He earned his masters in Industrial Engineering from Louisiana State University in 1985. After that he joined the Computer Science PhD. program.

His major research interest is in VLSI design automation. He received the Ph.D. degree in December 1989.

**Dr. Wu Wang (1989)** received his B.S. degree in computer science from Zhongshan University, Canton, China in 1984. In August, 1987, he joined the Department of Computer Science at Louisiana State University, Baton Rouge, Louisiana for his Ph.D. program. He performed research on robot planning, speech recognition, natural

language processing, robot vision, and machine learning. In

industry, he has worked on development of medical instrument systems and real-time network control systems for some years. His technical papers have appeared in computer science journals and conferences. **Email:** wuwang@yahoo.com



**Dr. Yujean Sheng (1990)** graduated with a Ph.D in computer science from Louisiana State University under Dr. S.S. Iyengar in 1990. Upon graduation, he started as an assistant professor of computer science at Western Illinois University, where he eventually served for 10 years and earned a tenured professorship. He continued his academic career for 5 more years at Northern Illinois University.

Later during his professional career, he worked for a few companies in various capacities and founded his own consulting firm. He currently works as a principal engineer for E2OPEN and the Senior Vice President of ACOOO Beijing Limited for North America. **Email:** eugene\_sheng@yahoo.com



**Dr. Mohan B Sharma (1990)** received the bachelor's and master's degree, both in electronics engineering, from Mysore University, India, and the PhD degree under supervision of Dr. S. S. Iyengar from the Department of Computer Science, Louisiana State University, Baton Rouge, in 1990. After his PhD career, he joined the Distributed Processing Group of IBM in Austin, TX. He is currently working for a company in Bangalore, India. **Email:** sharma@dssl.austin.ibm.com



**Dr. Sridhar Radhakrishnan (1990)** is a professor and the Director of the School of Computer Science at the University of Oklahoma, where he joined in 1990. He received his PhD in Computer Science from Louisiana State University in 1990. Dr. Radhakrishnan's research interests are in algorithm development and Computer Networks. His work has resulted in many protocol development for broadband networks, wireless and mobile networks, and RFID Systems. He is

currently working on the development of protocols at the intersection of Internet-of-things (IOT) and Software Defined Networks. He also actively involved in the development of algorithms for high performance computing, especially on desktop parallel computing systems. He has published over 100 research articles in journals, conference proceedings, and book chapters. **Email:** sridhar@ou.edu



**Dr. Sandeep Gulati (1990)** is a Ph.D, co-founder of ViaLog LLC in 1999. He serves as its Chief Technical Officer and Vice President of Product Development. Dr. Gulati co-founded Arroyo Sciences, Inc. and has been its founding Chief Technology Officer and founding Chief Financial Officer

since 2002. He was Co-Founder of ViaLog plc (Formerly, ViaLog Corp.) and served as its Chief Technical Officer, Chief Scientific Officer and Vice President until June 13, 2014. He was the Founder of Zyomed Corp. He served as Chief Technology Officer at ViaLog plc until June 13, 2014. He served as Chief Technology Officer and Vice-President of eServices and Exchange Development of ViaChange.com, Inc. ("ViaChange") from March 2000 to December 2001. He served as the Head of the Ultracomputing Technologies Group within the Information Technologies & Software Systems Division at NASA Jet Propulsion Laboratory (JPL) from 1988 to 2000. He also served as NASA Jet Propulsion Laboratory from 1988 to 2000. During his 12 years at JPL, he led computational advances in spacecraft autonomy, autonomous diagnostics and prognostics of complex systems, sensor fusion, neural networks, signal processing, command decision modeling and intelligence analysis and was also a Principal Scientist on a number of programs of national relevance such as the Department of Defence's Joint Strike Fighter, NASA's Reusable Launch Vehicle, the oil industry's DEELOOK Consortium, predictive intelligence capability for Army's AI-Source Analysis System, and subsurface imaging for cleanup of formerly used contaminated defence sites. He collaborated on strategic programs with Lockheed Martin, Boeing, Northrop Grumman, McDonnell Douglas, Rockwell, Pratt & Whitney, and NASA Center. Dr. Gulati has over 13 issued patents, over 30 patents pending and over 100 publications in archival journals and conferencing proceedings. Dr. Gulati holds a B.Tech. in Computer Science from the Indian Institute of Technology, New Delhi, India; a PhD in Computer Science from Louisiana State University and an MBA from Pepperdine University. **Email:** sandeep.gulati@zyomed.com



**Dr. Rajendra Srivastava (1990)** received his PhD in Computer Science under supervision of Dr. Iyengar from Department of Computer Science, Southern University, Baton Rouge in May 1990. His PhD dissertation title was "Parallelization of Goal Driven Production Systems on Hypercube machines in 'C' Environment Place of Employment. He was among the first students who were advised by Dr. Iyengar during their PhD

Careers. **Email:** rajendraks@yahoo.com



**Dr. Krishna Kumar Narayanan (1991)** joined the Ecrio company in 1999 and now directs the Ecrio engineering team. He also manages off-shore teams responsible for development, product engineering and technical support. Mr. Narayanan has over 22 years of industrial experience in software development and product delivery in the areas of mobile communications, systems programming, computer graphics and image processing. Prior to joining Ecrio, he developed software and firmware for an intelligent server monitoring device at Mirapoint, Inc. At Silicon Graphics, he led a team of engineers in the mid-range graphics workstations group. Mr. Narayanan started his career as a principal engineer at Digital Equipment Corporation, designing advanced graphics and image processing algorithms for hardware based graphics accelerators. He holds a B.S degree in Electrical and Electronics Engineering from Indian Institute of Science, Bangalore, India, and a Ph.D in Computer Science from Louisiana State University. **Email:** knarsylvaner@gmail.com

degree in computer science under supervision of Dr. Iyengar at Louisiana State University, Baton Rouge, Louisiana in 1989. His research interests include parallel and distributed algorithm, fault tolerant computing, graph theory and operations research, computational geometry, computer vision and artificial intelligence.



**Dr. Subbiah Rajanarayanan (1991)** was born in Madras, Tamilnadu, India on September 11, 1963. He obtained his Master of Science (Tech) in computer science from Birla Institute of Technology and Science, Pilani, Rajasthan, India in 1985. He completed his Master's degree in Systems Science and PhD

degree in computer science under supervision of Dr. Iyengar at Louisiana State University, Baton Rouge, Louisiana in 1989. His research interests include parallel and distributed algorithm, fault tolerant computing, graph theory and operations research, computational geometry, computer vision and artificial intelligence.



**Dr. Maung Htay (1992)** was born in Kyaiklat, Union of Myanmar (formerly Burma). He received his B.S. and M.S. degrees in Mathematics from the University of Rangoon in 1971 and 1979, respectively. He also obtained his M.S. degree in Computer Science from the University of London in 1976. He joined the Ph.D. program in the Department of Computer Science at Louisiana State University, Baton Rouge, Louisiana in August, 1988

and received his PhD degree under supervision of Dr. Iyengar in 1992. His current research interests include parallel processing, artificial intelligence, fault tolerance, error correcting codes, and neural networks. **Email:** mhtay@radford.edu





**Dr. Vinayak Hegde (1993)** is President and CTO at Sage Assurity Financial. He is visionary Entrepreneur and Senior Executive in Software Development & Information Technology for financial industry. Dr. Hegde has over fifteen years of technology, consulting, product development and management experience. He is effective change agent, with a passion to translate strategic vision into action. **Email:** vinayak.g.hegde@gmail.com



**Dr. Gili Mendel (1993)** is an IBM Master Inventor and a Senior Technical Staff Member. He has been working for IBM since 1993 leading the development of various software products. These products span highly parallel device drivers for AIX clusters, to Eclipse based and now Cloud-based tools. He received his PhD degree in computer science under supervision of Dr. Iyengar from Louisiana State University in 1993. He is currently the development architect for the Ops Console for Dedicated and Local Bluemix. **Email:** gmendel@us.ibm.com



**Dr. Phil Graham (1993)** was born in Meridian, Mississippi on December 6, 1962. He obtained a B.S. degree in Geology from the University of Alabama in August, 1985 and a B.S. degree in Computer Science from Louisiana State University in May, 1988. He joined the Ph.D. program in the Department of Computer Science in January, 1989 and received his degree under supervision of Dr. Iyengar in 1993. His research interests are in the area of graphics algorithms, in particular raster algorithms, ray tracing, the design and animation of objects, and the application of antialiasing techniques in computer graphics. **Email:** philagra@yahoo.com



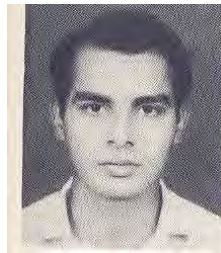
**Dr. Don Inglehart (1993)** received his PhD under supervision of Dr. Iyengar. He was among the first students who were advised by Dr. Iyengar in their PhD careers. He was graduated in May 1993 in Louisiana State University. His dissertation title was "Synergistic Control of  $N$ -body Computer Generated Robots Place of Employment: Consultant to State Agencies".



**Dr. Weian Deng (1993)** is an experienced and result-driven software engineering leader with over 16 years of experience in architecting, designing, and building scalable distributed computing systems. He led eBay's SOA and middleware platform development; co-authored multiple patents; and drove the effort to open source eBay's SOA solution. He is the key contributor to Hipbone (now Kana)'s chat and collaboration product. Dr. Deng architected and led the development of VoyagerTrack, a Real-time Container Terminal Operation System. **Email:** dengweian@yahoo.com



**Dr. Joon Shik Lim (1994)** received his B.S from Inha University, Korea in 1989. He earned his MS (PhD) degrees from University of Alabama (Louisiana State University) in 1989 (1994). Dr. Lim is now professor at Department of CS at Gachon University. His research interests are neuro-fuzzy systems, biomedical prediction systems, and human-centered systems. **Email:** jslim@gachon.ac.kr



**Dr. Sankar Krishnamurthy (1994)** received the B.S. degree from the Regional Institute of Technology, India, in 1986, and two M.S. degrees from LSU, one in engineering science and the other in computer science. From 1989 to 1991 he was a Research Assistant at the Remote Sensing and Image Processing Laboratory, LSU. Currently, he is a Research Assistant at the Robotics Research Laboratory at LSU, where he is also studying towards the Ph.D. degree in computer science. He is also working with the Research Group at Naval Research Laboratory, Department of the Navy, Stennis Space Center, MS, to develop image analysis algorithms for oceanographic data. His research interests are in computer vision, computer graphics, visualization, and multimedia. **Email:** sankarsrivatsa@gmail.com



**Dr. Daryl Thomas (1994)** is a former PhD student of Dr. S. S. Iyengar. He received his PhD in Computer science from Louisiana State University under the supervision of Dr. Iyengar. He is currently the chairman of computer science department of Southwestern Adventist University. He received his PhD in Computer science from Louisiana State University under the supervision of Dr. Iyengar. He is currently the chairman of computer science department of Southwestern Adventist University. **Email:** thomas@swau.edu



**Dr. Ramana Rao (1995)** is the SoC Architecture, ASIC Design & Verification, Silicon Bring-up & Validation. He is the SoC Architecture, ASIC Design & Verification, Silicon Bring-up & Validation. He is the SoC Architecture, ASIC Design & Verification, Silicon Bring-up & Validation. **Email:**

ramana\_r@yahoo.com



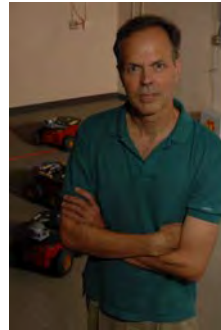
**Dr. Lakshman Prasad (1995)** Lakshman Prasad received a master's degree in Mathematics from the Indian Institute of Technology, Kanpur, India in June 1986. He is currently a graduate research assistant in the Theoretical Division of the Los Alamos National Laboratory. His research interests include wavelet based image analysis & numerical analysis, computational geometry, chaos & dynamical systems.

**Email:** prasad@lanl.gov



**Dr. Amit A. Nanavati (1996)** Amit A. Nanavati is a Senior Researcher at the IBM India Research Lab. He joined IBM Research India in 2000 and has worked on projects in ecommerce, data mining, mobile and Telecom. He managed the Telecom Solutions Research Group from 2008 to 2013, and then became the Head of Mobile and Telecom Research in 2014. He also considers himself a "Spoken Web" evangelist. He

is interested in social network analysis, internet-of-things and information and communication technologies for development. He received the IBM Research Division Accomplishment for Science for SNA for Telecom, 2011. The Spoken Web project received the National Award 2009 for Technological Innovation/Best Applied Research Aimed at Improving the Life of Persons with Disabilities given by the President of India, on December 3rd, 2009. In 2011, he was named a Master Inventor, and became an IBM Academy of Technology Member in 2013. He has authored over 40 patents (25 granted) and 50 publications. He co-authored a book on "Speech in Mobile and Pervasive Environments" published by John Wiley, UK in 2012. Prior to joining IBM, he worked for Netscape in California, after completing his Ph.D. in Computer Science from Louisiana State University. During his Ph.D., he interned at the Jet Propulsion Lab (NASA). He has participated and published at various ACM conferences, including CIKM and MobileHCI. At ACM MobileHCI, he has been co-organizing the SiMPE Workshop for several years (2006-13). In Feb 2014, he co-organized and co-conducted a quiz at the ACM Event in IIT Delhi. He was an ACM student member in the late 90s. **Email:** namit@in.ibm.com



**Dr. Richards Brooks (1996)** Dr. Brooks has in the past been PI on research programs funded by the Air Force Office of Scientific Research, National Science Foundation, Department of Energy, National Institute of Standards, Army Research Office, Office of Naval Research and BMW Corporation. These research projects include coordination of combat missions among autonomous combat vehicles (ARO), situation and threat assessment

for combat command and control (ONR), detection of protocol tunneling through encrypted channels (AFOSR), security of intelligent building technologies (NIST), experimental analysis of Denial of Service vulnerabilities (NSF), mobile code security (ONR), and security analysis of cellular networks used for vehicle remote diagnostics (BMW). Dr. Brooks' current research interests include game theory, strategic reasoning, and information assurance. He was PI of the Mobile Ubiquitous Security Environment (MUSE) Project sponsored by ONR as a Critical Infrastructure Protection University Research Initiative (CIP/URI). It concentrated on creating distributed countermeasures to overcome large-scale network attacks like distributed denial of service and worms. Dr. Brooks was co-PI of a NIST project defining the security standards and protection profiles for the ISO BACNET networked building control systems standard. Dr. Brooks was co-PI of a DARPA ISO program coordinating air campaign command and control and PI of the Reactive Sensor Networks (RSN) Project sponsored by DARPA IXO. RSN explored collaborative signal processing to aggregate information moving through the network, and the use of mobile code for coordination among intelligent sensor nodes. He has received DURIP awards from ONR and ARO that support the study of networked systems interacting with the real world. Current projects include authentication and authorization of exascale computing systems and establishing Internet freedom in West Africa. His Ph. D. dissertation received an exemplary achievement certificate from the Louisiana State University graduate school. **Email:** rrb@clemson.edu



**Dr. Raghuram Yedatore (1996)**

Raghuram Yedatore was born on April 30, 1966, in Mysore, India. He completed his bachelor of engineering degree in Computer Science and Engineering from the University of Mysore, India, in 1987. After working for a short time, he came to the United States to continue his studies. He

joined the Department of Computer Science at Louisiana State University in Fall, 1989. The day he met Vinayak Hegde, his fate was sealed to pursue his doctoral degree. He received his Master of Science and his doctor of philosophy degree in 1996. His areas of interest are Distributed Systems, Operating Systems and Networking. **Email:** yedatore@gmail.com



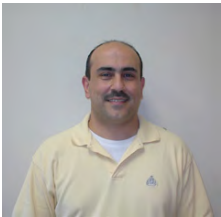


**Dr. Nitin Naik (1996)** is a CIO & CTO level expertise, Strategy Development and Investment planning, Solution Architecture, Infrastructure Strategy and Operation, E-business and E-services, Technology Innovation, Technology R&D, Organization management. **Email:** nitin.naik@nasa.gov



**Dr. Sundar Vedantham (1997)** is a software development manager for Intel's family of Networking SoC devices called Axxia Communication Processors. Worked on multiple networking technologies and standards: 3G/LTE Wireless networks, Carrier Ethernet, IPTV & broadband access networks, IP, ATM, MPLS, DSL,

ISDN, SONET/SDH, PDH, VoIP, IPSec, DPI, PTP (IEEE 1588), and a wide range of test equipment. He has experience working with network and communication processors, embedded systems, ASICs, SoC firmware and application level software development. He worked on different types of projects from conceptualization stage to completion spanning multiple years. He has worked with multinational development teams and customers in Europe and Asia. **Email:** vedantham@yahoo.com



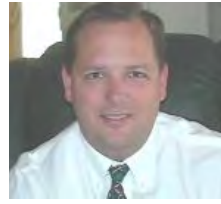
**Dr. Elias Khalaf (2000)** received his B.S. degree in Computer Science from the University of Southwestern Louisiana (now the University of Louisiana at Lafayette), in 1989, his Master of Science in System Science from Louisiana State University in 1992, and his Ph.D. in Computer Science in 2000. Dr. Khalaf assumed

the position of Computer Manager at LSU in 1989 and he worked in that capacity until 2002, all the while pursuing his graduate studies and teaching computer science classes at LSU. In the fall of 2002 he started a new career as an assistant professor of Computer Science at Loyola University New Orleans. In 2007, Dr. Khalaf left academia and took a position with General Dynamics Information Technology in New Orleans, where is still currently employed as a Senior Principal Software Engineer, working in the areas of Visualization, Cloud Computing and DevOps. **Email:** eliaskhalaf@yahoo.com



**Dr. John Zachary (2000)** received his PhD in Computer Science from Department of Computer Science at Louisiana State University under supervision of Dr. Iyengar. His software engineering career has focused on solving hard practical problems in cybersecurity and building performant operational systems around those solu-

tions. His business career has focused on data-driven analyses and effective communication of complex information and concepts. **Email:** johnzachary2@gmail.com



**Dr. Kirk W. Cameron (2000)** is a Professor of Computer Science and a Research Fellow in the College of Engineering at Virginia Tech. His research interest is to improve power and performance efficiency in high performance computing (HPC) systems and applications. Cameron is also the

founding member of SPECpower, EPA consultant and co-founder of power management software startup company MiserWare. He received the Ph.D. in Computer Science from Louisiana State University under supervision of Dr. Sun and Dr. Iyengar. **Email:** cameron@cs.vt.edu



**Dr. Thomas Smailus (2001)** received his PhD in Computer Science under supervision of Dr. Iyengar. His research interests include Computer Engineering, Research & Development, Systems and Network Administration: Unix and Windows, Software Development, Digital Hardware Design, and Strategic Business Planning. He has served as a professional engineer: Washington, Louisiana. Also, he has IEEE Specialties: Graphics Data Mining & Understanding, Research, Augmented Graphics, Computer Hardware, Computer Software, Strategic Business Planning, Academia, and Electrical Engineering.



**Dr. Sumeet Dua (2001)** was born in New Delhi, India, in 1975 and is son of V. J. Dua and Kanta Dua. He obtained his schooling from Saint Francis De Sales School, New Delhi. In 1993 Sumeet began his university education at Thapar Institute of Engineering and Technology (Deemed University) and obtained a bachelor's degree of engineering in electronics and communication in 1997. He then

attended Louisiana State University, Baton Rouge, Louisiana and obtained the degree of Master of Science in Systems Science from the Department of Computer Science in 2000. He then continued with his doctoral studies in the same department and will graduate in May 2002 with the degree of Doctor of Philosophy in computer science. He is currently a researcher with Biological Computing and Visualization Center, Department of Ophthalmology, LSU Medical Services Center, New Orleans. His areas of interest include knowledge discovery in large databases, bioinformatics, parallel algorithm design and e-commerce. **Email:** sdua@latech.edu



**Dr. Brian Pangburn (2002)** Brian Edward Pangburn was born in Melrose, Massachusetts, on June 12, 1972. He received his bachelor of science degree in mechanical engineering from Tulane University in 1994. He joined the doctoral program at Louisiana State University in 1994, and received his

master of science degree in system science in 1999. His

will receive the degree of Doctor of Philosophy in computer science at the December, 2002 commencement. Since 1991, Mr. Pangburn has developed software to administer retirement plans. From 1994 to 1996, he developed software as a consultant for American Financial Systems in Weston, Massachusetts. In 1996, he co-founded The Pangburn Company, a third party administration company dealing exclusively with non-qualified deferred compensation retirement plans. Apart from language acquisition modeling, his research interests include artificial intelligence, computer vision, and database theory. Mr. Pangburn has a wife, Jaimee, and twin sons, Jack and Jeremiah. He and his family reside in Ventress, Louisiana. **Email:** info@pangburnacres.com



**Dr. Qishi Wu (2003)** is currently an Associate Professor in the Department of Computer Science and the Director of the Center for Big Data at New Jersey Institute of Technology (NJIT). He joined NJIT in fall 2015 from the University of Memphis, where he is an Associate Professor in the Department of Computer Science. His research inter-

ests include big data, high-performance networking, parallel and distributed computing, sensor networks, scientific visualization, and cyber security. His research in networking develops fast and reliable data transfer solutions to help users in a wide spectrum of scientific domains move big data over long distances for collaborative data analytics. His research in computing develops high-performance workflow solutions to manage the execution of and optimize the performance of large-scale scientific workflows in heterogeneous computing environments. Dr. Wu's work has been supported by various funding agencies, including the National Science Foundation, the U.S. Department of Energy, the U.S. Department of Homeland Security, and Oak Ridge National Laboratory, where he is a research staff and works on a number of high-performance networking projects and big-data computational science projects. He has published over 190 research articles in highly reputed conference proceedings, journals, and books, and won best paper awards at many conferences. **Email:** chase.q.wu@njit.edu



**Dr. Sumanth Yenduri (2005)** Sumanth Yenduri received his Bachelor of Technology in Computer Science and Systems Engineering from Andhra University, India in 1999. He received his Master's degree in 2002 and PhD in Computer Science in 2005 from Louisiana State University, USA. He is currently working as an

Associate Professor at Columbus State University. He has published over 50 articles in refereed international conferences and journals. Furthermore, he has published/contributed four books. His research interests include software process development, data imputation methods, software metrics, programming language paradigms, software tools/simulation and sensor networks. He has generated over \$1M in research funding. **Email:** yenduri\_sumanth@columbusstate.edu



**Intelligence. Email:** pm@selu.edu

**Dr. Patrick McDowell (2005)** received his PhD in Computer Science from the Department of Computer Science at Louisiana State University under supervision of Dr. S. S. iyengar, 2005. His research Interests are Machine Learning, Robotics and Artificial



Laboratory as a research associate from 2003 to 2005. **Email:** mzhu@cs.siu.edu

**Dr. Mengxia Zhu (2005)** I graduated from Zhejiang University with bachelor degree in Biomedical Engineering in 1996. I earned my M.S. and Ph.D. in Computer Science from Louisiana State University in 2002 and 2005, respectively. I had been working in the Computer Science and Mathematics Division at Oak Ridge National



**Dr. Madhusudhanan Balasubramanian (2006)** serves as Assistant Professor in the Department of Electrical and Computer Engineering with a secondary appointment in the Department of Biomedical Engineering at The University of Memphis. Previously, from July 2011 to August 2013, he was Assistant Project Scientist in the Department of Ophthalmology at the University of California, San Diego. His current research interests include studying the structure of the optic nerve head in normal eyes and eyes with progression of glaucoma; aqueous humor dynamics. He received the Diploma in electrical and electronics engineering from Muthiah Polytechnic, Annamalai Nagar, India, in 1995; the B.E. degree in electrical and electronics engineering from PSG College of Technology, Coimbatore, India, in 1998; the M.S. degree in systems science and the Ph.D. degree in computer science from Louisiana State University, Baton Rouge, in 2003 and 2006, respectively; and Postgraduate Medical Study and Fellowship in Glaucoma Research from the University of California San Diego, La Jolla in June 2011. He is an active reviewer for the following research journals: IEEE Transactions on Biomedical Engineering, International Journal of Ophthalmology, Investigative Ophthalmology & Visual Science, Journal of Glaucoma, Nature Eye, Optometry & Vision Science, and PLoS One. He is an Expert Board Member of the International Journal of Ophthalmology. He is a member of the following professional societies: Association for Computing Machinery (ACM; since 2004); Association for Research in Vision and Ophthalmology (ARVO; since 2003); Imaging and Perimetry Society (IPS; since 2009); Institute for Electrical and Electronics Engineers (IEEE; since 2003); and Society of Photo-Optical Instrumentation Engineers (SPIE; since 2004). **Email:** mblsbrmn@memphis.edu

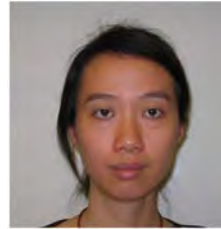




**Dr. Wei Ding (2006)** is a senior member of the Institute of Electric and Electronics Engineers. Dr. Wei Ding brings a decade of experience in both academics and the IT industry to his role as Associate Professor of Computer Science & Information Technology at Florida Poly. Dr. Ding supports

the innovative principles on which Florida Poly has been built. Dr. Ding ascribes to the Florida Poly philosophy that STEM education should be seamlessly integrated with industrial collaboration and application-oriented research to yield effective solutions to challenges in current STEM education, particularly with low retention rates. He believes that Florida Poly, as a brand-new institution, offers opportunities for faculty members to establish their careers in teaching, research and professional development. Dr. Ding's recent research has covered wireless networks and cyber security in general, and cyber-physical systems, future Internet architecture, soft defined networks, the Internet of things, and security and energy issues in sensor networks, in particular. Dr. Ding takes an independent approach in research, which has resulted in two books, five book chapters, and many peer-reviewed journal and conference papers. Dr. Ding has a total of nine years of full-time teaching experience at four-year U.S. universities. He can teach most undergraduate courses in the areas of computer science, information systems, and information technology, as well as many graduate courses in and beyond his specialty areas. His most experienced areas in teaching include programming, computer networks, cyber security, databases, operating systems, computation theory, artificial intelligence, and information retrieval. He has served as technical program committee member for many IEEE/ACM conferences. In addition to research and teaching experience, Dr. Ding has 10 years of industrial experience in IT-related businesses in China that involved several successful applications of IT theories in the real world. He is proficient in 10+ programming languages as well as multiple web languages, parallel/high-performance computing languages and various operating systems and network technologies. He is a registered engineer in China, where he patented his design for an electronic ear. One of his recent research projects is entitled Simultaneous Limited Two Way Flooding Applying Gossiping in NDN (Named Data Network) Based Wireless Ad-Hoc Networks. NDN is the most popular architecture for future Internet. This project tests and quantifies how much gain in data transmission could result from the gossip style two-way limited flooding. Traditional ad-hoc networks use only data (producer) initiated one-way flooding while NDN-based networks normally only use interest (consumer) initiated one-way flooding. He plans to submit a proposal based on this project to NSF Networking Technology and Systems (NeTS) program in 2015. In his PhD dissertation, Effective Bootstrapping of Peer-to-Peer Networks over Mobile Ad-Hoc Networks, a new protocol RAN (Ring Ad-hoc Network) was designed to build a ring in node ID space. RAN initializes ring-based P2P systems over mobile ad hoc networks (MANETs). Upon this ring, the entire P2P system could start normal operations without lengthy stabi-

lization. He deepened this research after graduation. As a result, he published a book entitled "Synergy of Peer-To-Peer Systems and Mobile Ad-Hoc Networks: Bootstrapping and Routing" in 2009, a book chapter, along with three peer-reviewed conference papers. **Email:** wd Ding@flpoly.org



**Dr. Hua Cao (2007)** was born at Luzhou, China, in 1978. She is currently a doctoral student in the Computer Science Department at Louisiana State University. She received the Bachelor of Engineering degree in Information Systems and Management from the Southwest University of Finance & Economics, China, in 2000.

Her master's degree is in systems science from the Computer Science Department at Louisiana State University in 2003. She has been working as a research assistant at Robotics Laboratory of Computer Science Department, LSU, since 2002. Her research interest includes biomedical imaging, data registration, image fusion, and large grid route planner. **Email:** hcao@csc.lsu.edu



**Dr. Anindya "Raj" Poddar (2011)**

received his PhD in computer science from Department of Computer Science, Louisiana State University under supervision of Dr. Donald Kraft and Dr. S. S. Iyengar. His PhD dissertation Title was "Efficient substring discovery using Suffix, LCP Array and Algorithm-Architecture Interaction". He is currently working in William O'Neil Company in India. **Email:** apoddar111@gmail.com



**Dr. Srivathsan Srinivas (2011)** was born in Madras (now, Chennai), India, in 1974. He obtained his bachelor's degree in computer science and engineering in 1997 from SRM Engineering College, Madras. He received his masters degree in computer science from University of Texas, Dallas in 1999.

He has more than seven years of work experience in various telecommunication startup companies taking on roles as software design engineer, test engineer and team-lead (all for wireless, optical, ethernet networking startup companies). During his doctoral studies at Louisiana State University, he has co-authored ten refereed conference papers and three journal publications. His research interests are in network algorithms, communication graphs and approximation schemes. He gravitates naturally to well-motivated problems where theoretical challenges abound and those that have immediate practical applications. **Email:** srivathsan@alumni.lsu.edu



**Dr. Jong-Hoon Kim (2011)** serves as an Assistant Professor in Kent State University. He received his PhD in Computer Science under supervision of Dr. S. S. Iyengar from Department of Computer Science, Louisiana State University, Baton Rouge, in 2011.

His PhD Dissertation title was “Autonomous Mobile Pipeline Robot”. **Email:** jkim72@kent.edu



**Dr. Jerry Weltman (2012)** holds a PhD in Computer Science and a Master’s degree in Linguistics from Stanford University. He does research in artificial intelligence, teaching computers how to understand language. He has studied Spanish for many years

and has lived in Mexico and Costa Rica. He loves teaching grammar at ELOP because it is fun to talk about all the crazy rules and exceptions in English grammar. The small classes at ELOP allows him to get to know each student and find ways to challenge them to learn more. **Email:** jerry.weltman@gmail.com



**Dr. Juan C. Martinez (2013)** received his Bachelor’s degree in Informatics Engineering in July 2005 from the Pontifical Catholic University of Peru, graduating in the upper tenth. He started the Master’s program in Computer Science at Florida International University in Fall 2005 and received his Master’s degree in the Fall of 2006.

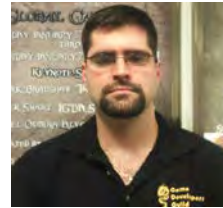
After that, he started the PhD program and passed the Candidacy exam in Spring 2007. Juan Carlos has been working as a part-time faculty for the department of Computing and Information Sciences at Florida International University since Fall of 2007. He is also a full-time faculty at Miami Dade College for the School of Engineering and Technology. He has also worked in the industry for banks, government, software companies and as a consultant since 2004. Juan Carlos has been involved in several research works including Bioinformatics, Grid/Cloud Computing, Software Modeling and Map-Reduce technologies. His research currently is focused on Bioinformatics. **Email:** jmarti20@mdc.edu



**Dr. Vasanth Iyer (2013)** received his Ph.D. in Computer Science from Florida International University (FIU), Miami advised by Dr. Sitharama Iyengar and Dr. Niki Pissinou. His research interests include sensor spatio-temporal analysis, and learning algorithms which use pre-processed data from data-cleaning tree’s similarity

matrix, and efficient computation techniques using linear kernels. His academic experience includes Visiting Assistant Professor (2015) at Oklahoma State University, Postdoctoral Research Scientist (Air Force Research lab, 2014). Prior to defending his thesis at FIU, he was a Ph.D. candidate at International Institute of Information (IIIT) and published over

17 research papers. He completed his MSCIS from UNH (1987), CT, and was embedded kernel intern between 1988-1990 working on Genesis Control Series. He joined UC Berkeley (extension) in 1992 and also worked as Software Design Engineer for 11 years (1991-2002) in the San Francisco Bay Area. Prior to becoming a graduate student, he completed B.Eng. in ECE (1985) followed by a Pre-PhD (2004) including the best paper in CSI-2005 both from Osmania University, India. **Email:** iyer@ucmo.edu



**Dr. Frank E. Hernandez (2013)** received his PhD from the School of Computing and Information Sciences at Florida International University under supervision of Dr. Iyengar. His research in Domain-Specific Modeling Language has led him to develop a DSML for modeling BlackBerry applications called the Blackberry User

Interface Modeling Language (BUIML). Frank is also the lead designer of the Eberos Game Modeling Language (Eberos-GML), a domain-specific language for the purpose of modeling video games, both 2D and 3D. **Email:** fhern087@fiu.edu



**Dr. A S M Hasan Mahmud (2016)** has 5 years of research and 4 years of solid software development experiences in the industry. He has implemented several data center resource management software systems in Java, Matlab, C/C++, etc. As a researcher, he has published 10 papers in prestigious venues (e.g., IFIP Performance 2013,

and ICAC 2016). **Email:** asmhmahmud@gmail.com



**Dr. Mingming Guo (2016)** is a passionate researcher and engineer with algorithms, machine learning and software development experience. His general interests lie in algorithms, machine learning/deep learning, NLP and artificial intelligence. He received his PhD in Computer Science from School of Computing and

Information Sciences, Florida International University. **Email:** mguo001@cis.fiu.edu



**Dr. Kianoosh G. Boroojeni (2017)** was born in Boroojen, Iran in 1989. He received his MS and PhD in computer science from FIU. In 2012, he earned his Computer Science B.Sc from University of Tehran, Iran. He authored/co-authored three books (published by MIT Press and Springer) and 17 peer reviewed journal papers in

his PhD career. He has also published seven conference papers and won a best paper award. **Email:** kianooush@gmail.com



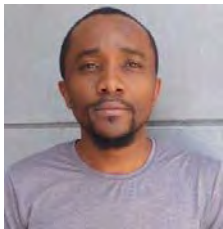
## CURRENT PHD STUDENTS



### **Samia Tasnim (PhD Candidate)**

is a Ph.D. candidate at the School of Computing and Information Sciences (SCIS), Florida International University (FIU) under the supervision of Dr. S. S. Iyengar and Dr. Niki Pissinou. She received her Bachelor's degree in

Computer Science and Engineering from Bangladesh University of Engineering and Technology (BUET) and Masters in Computer Science from FIU in 2015. Her research interests include mobile systems, wireless sensor networks, database and data mining. Samia worked as a software engineer for two years before starting her study at FIU. **Email:** stasn002@fiu.edu



### **Georges Kamhoua (PhD Candidate)**

is a Ph.D. candidate at Florida International University's School of Computing and Information Sciences under the supervision of Dr. Niki Pissinou. He joined FIU in Fall 2014. He received his B.S. degree in Electrical Engineering and an M.S. degree in Electronics from University of Dschang,

Cameroon in 2007 and 2012, respectively. His current research interests include security, online social networks, mobile wireless sensor networks, mobile computing, and crowd-sourcing.



### **Abdur Rahman Bin Shahid (PhD Candidate)**

is a Ph.D. candidate of Computer Science at Florida International University's School of Computing and Information Sciences under the supervision of Dr. S.S. Iyengar and Dr. Niki Pissinou. He received his B.Sc. in Computer Science and Engineering in December 2011 from Chittagong University of Engineering and Technology,

Bangladesh. He worked as a Software Engineer at Samsung Bangladesh R&D Center for two years in his country before joining the SCIS Ph.D. program. His research interests include Location-Based applications, privacy, and security. His current research focuses on privacy preservation in location-based services.



### **Thejas Gubbi Sadashiva (PhD Candidate)**

is a Ph.D. candidate at the School of Computing and Information Sciences (SCIS), Florida International University (FIU) under the supervision of Dr.S.S. Iyengar and external guidance of Dr. N. R. Sunitha. He received his Bachelors degree in Computer Sci-

ence and Engineering from Sri Siddhartha Institute of Technology (SSIT) in 2009 and Master of Technology (M.Tech)

in Computer Science and Engineering from Sri Siddhartha Institute of Technology (SSIT) in 2011. He worked as a trainee for one year at Defence Research and Development Organization/Electronic and RADAR Development Establishment (DRDO/LRDE) on his masters thesis. His research interests include Human Computer Interaction (HCI), performance optimization using parallel computing, and security. Thejas worked as Assistant Professor for five years at Siddaganga Institute of Technology (SIT) before starting his study at FIU. **Email:** thejas.sit@gmail.com



### **Sanjeev Kaushik R (PhD Student)**

is a Ph.D. student at the School of Computing and Information Sciences (SCIS), Florida International University (FIU) under the supervision of Dr. S.S. Iyengar and Dr. Niki Pissinou. He received his Bachelors degree in 2014 and has held various positions at IBM and Cognizant technologies in India before starting his studies at FIU. His research interests include Location Privacy, Sensor Networks, and Security in Distributed systems. **Email:** sanjeevr93@gmail.com

## DR. IYENGAR WITH COLLABORATORS



Fig. 1: Dr. Iyengar doing programming in 1970's.



Fig. 2: Dr. Puneeth Iyengar, BS (MIT), MD PhD (Albert Einstein College of Medicine). He is assistant professor at University of Texas Southwestern Medical Center, Dallas. He is Dr. Iyengar's first son who has collaborated with him in some research projects.



Fig. 5: Mr. Veneeth Iyengar, BS (Purdue), MS (John Hopkins University). He is the Vice President of Sage and Dr. Iyengar's second son.



Fig. 3: Dr. Vijeth Iyengar, BS (Tulane), MA, PhD (Duke University). He is awarded the Presidential Assistantship Fellowship from NIH, Washington. He is Dr. Iyengar's youngest son.



Fig. 6: Dr. Iyengar (left) in 1970's with his major professor Dr. Brown (center).



Fig. 4: Dr. Iyengar with a number of collaborators and Dr. Ramamoorthy in Berkeley, 2000.



Fig. 7: Professor Bastani (right), Professor Ramamoorthy (middle), and Mrs. Iyengar (left).





Fig. 8: With Associated Director of Oak Ridge National Lab, Dr. Zachariah (middle) in 1995.



Fig. 11: Dr. Iyengar awarding an undergraduate student, at LSU, 2004.



Fig. 9: Faculty Development University Research and Training Information Assurance and Computer Security Workshop funded by NSF in 2007.



Fig. 12: Dr. Iyengar's undergraduate students, LSU, 2004.



Fig. 10: From left to right: Dr. Rao, Professor Iyengar, Dr. Oscar Garcia, and Professor Ramamoorthy.



Fig. 13: Faculty Student Workshop, 2009.



Fig. 14: Dr. Iyengar's former graduate student.



Fig. 17: Student faculty retreat. With Dr. Vir Phoha and Dr. Greg Vert.



Fig. 15: Discussion session with Faculty and Students in LSU, 2005.



Fig. 18: Dr. Iyengar's graduate student in Robotics lab in LSU, 2009.



Fig. 16: Dr. Iyengar's students and collaborators in 2009.



Fig. 19: Collaborators and Graduate Students.





Fig. 20: Mr. and Mrs. Iyengar with the Infosys Founder, Dr. Narayana Murthy.



Fig. 23: Distinguished Computer Scientists meeting in 2000.

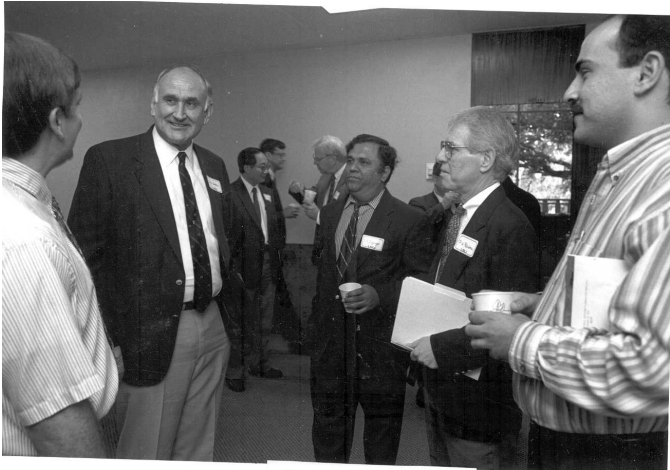


Fig. 21: Faculty meeting with the President of LSU William Jenkins and Dean Rabideau, 1994. From left to right: President Jenkins, Professor Iyengar, Dean Rabideau, and Dr. Khalaf.



Fig. 24: Professor Mani Chandy of Cal tech (left), Dr. Srinivas (middle) and Dr. Supratik (right).



Fig. 22: Dean Carman and Chancellor Martin of LSU in 2009 during the distinguished award ceremony.

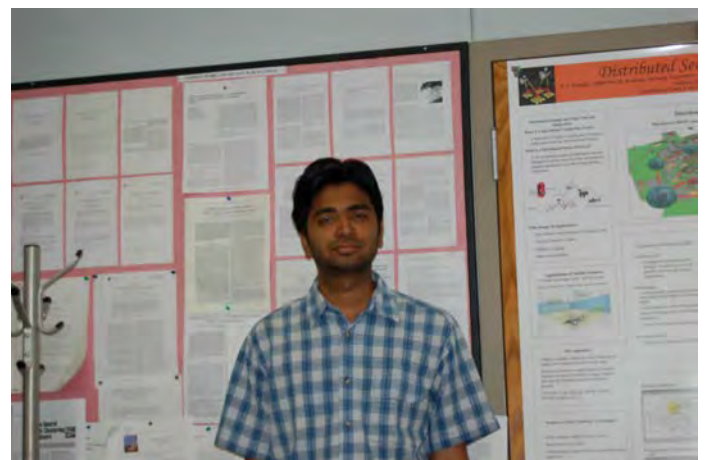


Fig. 25: Dr. Iyengar's former graduate student in a conference.





Fig. 26: With his family, Dr. Vert, Dr. Srinivas and other graduate students, 2009.



Fig. 27: From right to left: Professor Ramamoorthy, Professor Garcia, Professor Iyengar and Mrs. Iyengar.



Fig. 28: Former PhD Student and Raj Reddy (CMU).



Fig. 29: Roy Paul Daniels Professors Award to Dr. Iyengar by Junior Roy Paul Daniels in 2002.



Fig. 30: Robotics Lab Showcase in LSU.



Fig. 31: From left to right: Professor Iyengar, Professor Vint Cerf, Professor Ed Seidel of UIUC, Dr. Iyengar, and Professor Don Kraft (LSU).



## PART II:

### DR. IYENGAR'S Masters Students 1985-2017



Atul Batra



Balaji Narayan



Bharath



Bollapragada Satya Ravi



Brian Pangburn



Cariappa Mallanda



Deepak Nadig



J.R. Mahexh



Amit Nanavati



Anantha Prasad



Ankur Suri



Jong Hoon Kim



## PART II:

# DR. IYENGAR'S Masters Students 1985-2017



Nitin Naik



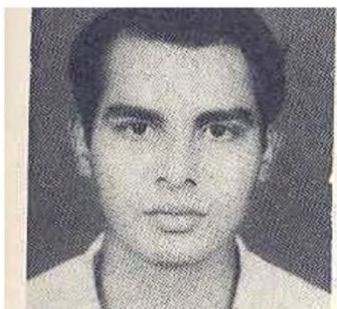
Salil Menon



Sandeep Gulati



Sanjoy Bardharan



Sankar KrishnaMurthy



Sathish T Gopalrao



Shankar Ram



Shyam Cukkemane



Karthik Nagabandi



Kianoosh Boroogeni



KrishnaKumar Narayan



Mengxia Zhu







## PART II:

# DR. IYENGAR'S Masters Students 1985-2017



Sumanth Yyenduri



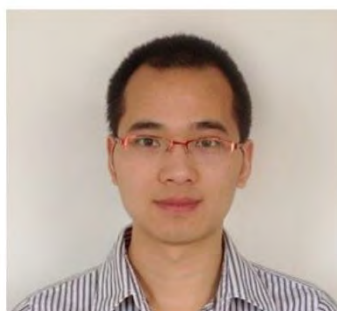
Sumeet Dua



Viyay Veeranna



Ying Chen



Zhi Li May



Sudharshan Iyengar

A.S. Rau	Anand Ganeshan	Ashish G. Tilwe
Ashok Chidige	Ayyappa Chowdhary Veerapaneni	John Fuller
Ashok Chidige	Ayyappa Chowdhary Veerapaneni	John Fuller
G. Pardhy	Gautham Udeshi	Hsi Chang
Mahesh Dandapani	Neelay Shah	R.P. Singh
Raghuram Yedatore	Ratika Natarajan	S. Bose
S. Chauhan	Sandeep Bandi	Sarath C Peddi
Shivarama krishnan Subramanian	Sona Mrinal	Sridhar Karra
Sumathi Nagaraj	Suresh R. Tammana	Swati Dubbaka
Weisung Chen	Yan Xia	Z. Ying
Venkatesh Nadamuni	V. Sridhar	V.B. Srinivasa





## PART III: DR. IYENGAR'S UG Students 1985-2017



Daniela



Fernando de



Francisco



Irvin Cardenas



Leo Shao



Uwe Cerron



Eduardo Dennis



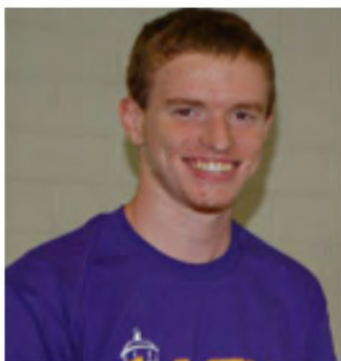
Lazaro Herrera



Seth Robertson



Ankith Tandon



Andrew Hughes



Martin S.







## PART III: DR. IYENGAR'S UG Students 1985-2017

Brian McMahon

Dimmetric Houston

Eric Roberts

Jeff Dereus

John Deries Banef

V. Raman

Williams Rummler

Congratulations and Happy 70<sup>th</sup> Birthday  
to

**Prof. S. S. Iyengar**

in Celebration of Years of Dedicated  
Service

&

Best Compliments to ISS/NSS



Best Wishes From:

Sage Assurity Financial, Inc.

1450 Boyson Road, #C5

Hiawatha, IA 52233

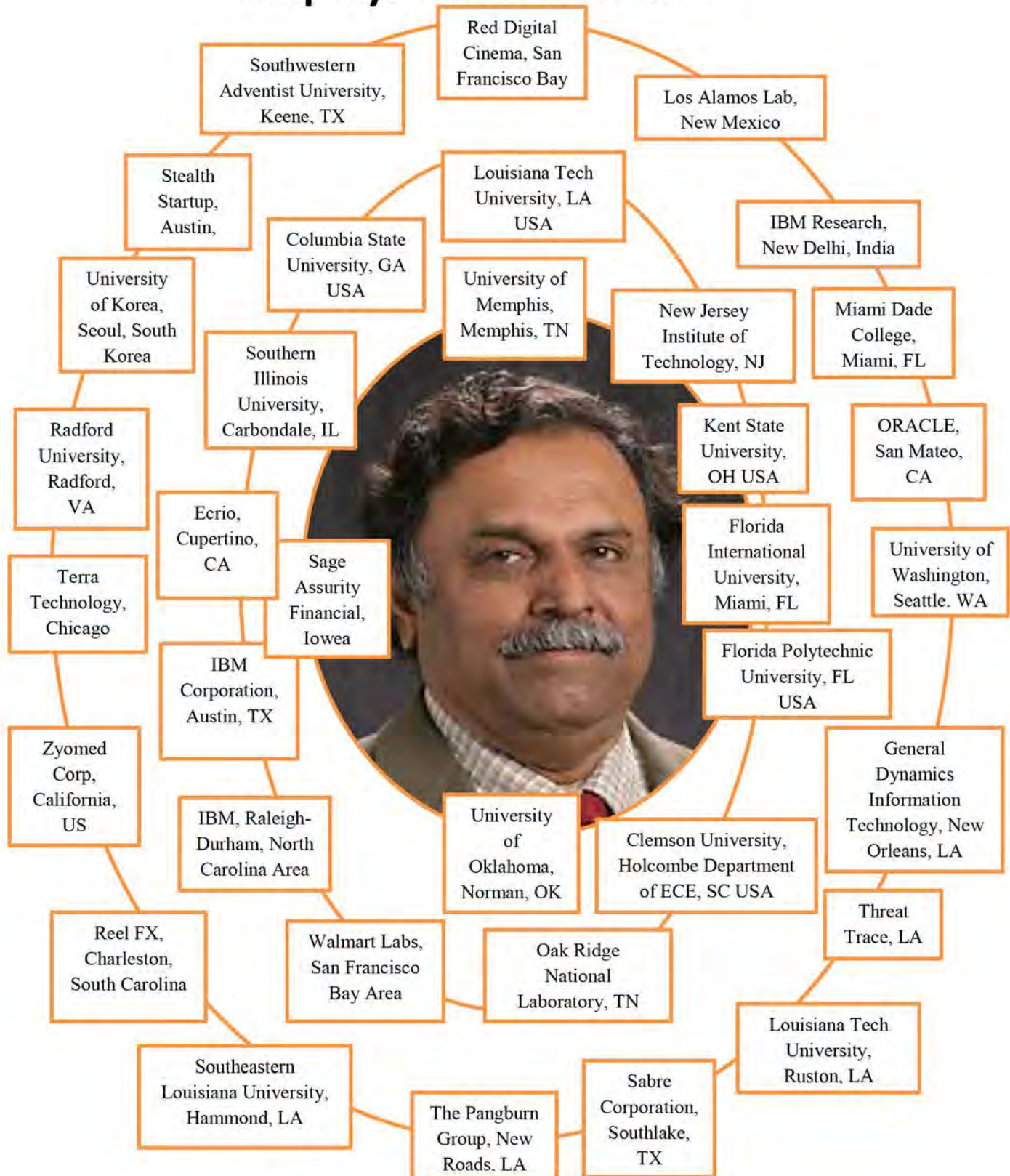
(515) 423-0340

info@SageAssurity.com

Sage Assurity

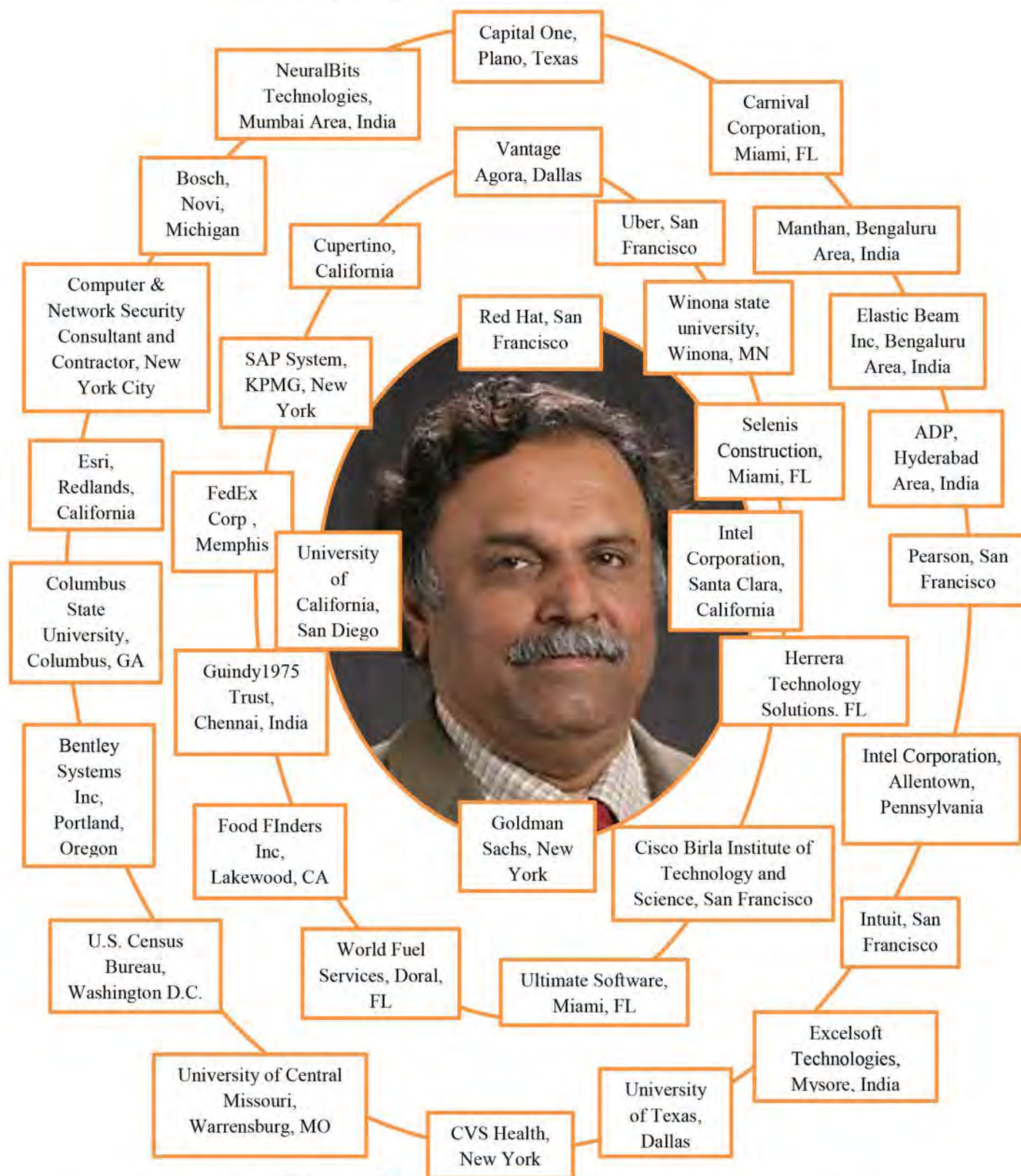


# Dr.S.S.Iyengar's Former Students Employment Network - I



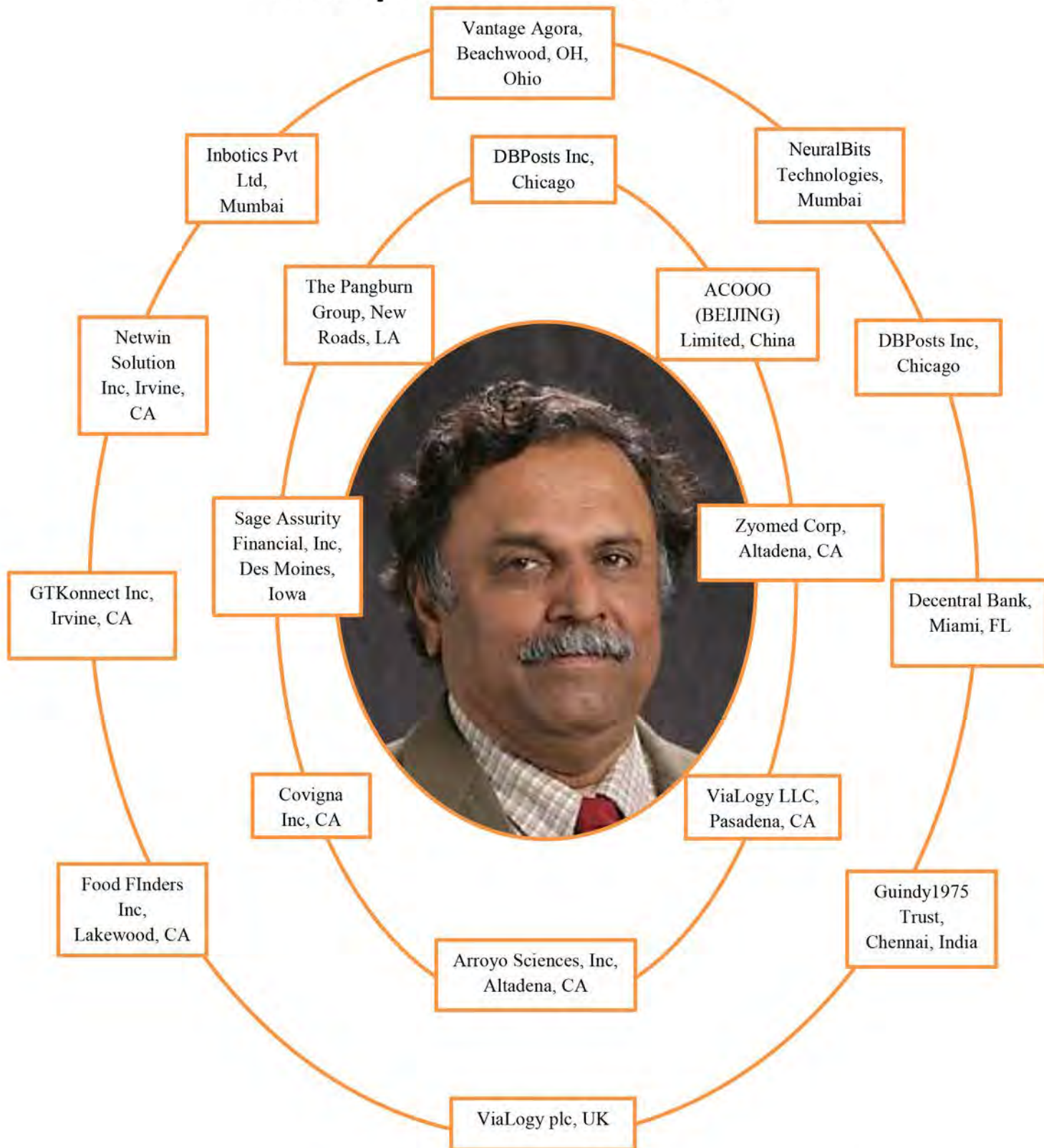


## Employment Network - II





# Dr.S.S.Iyengar's Former Students Entrepreneurs Network



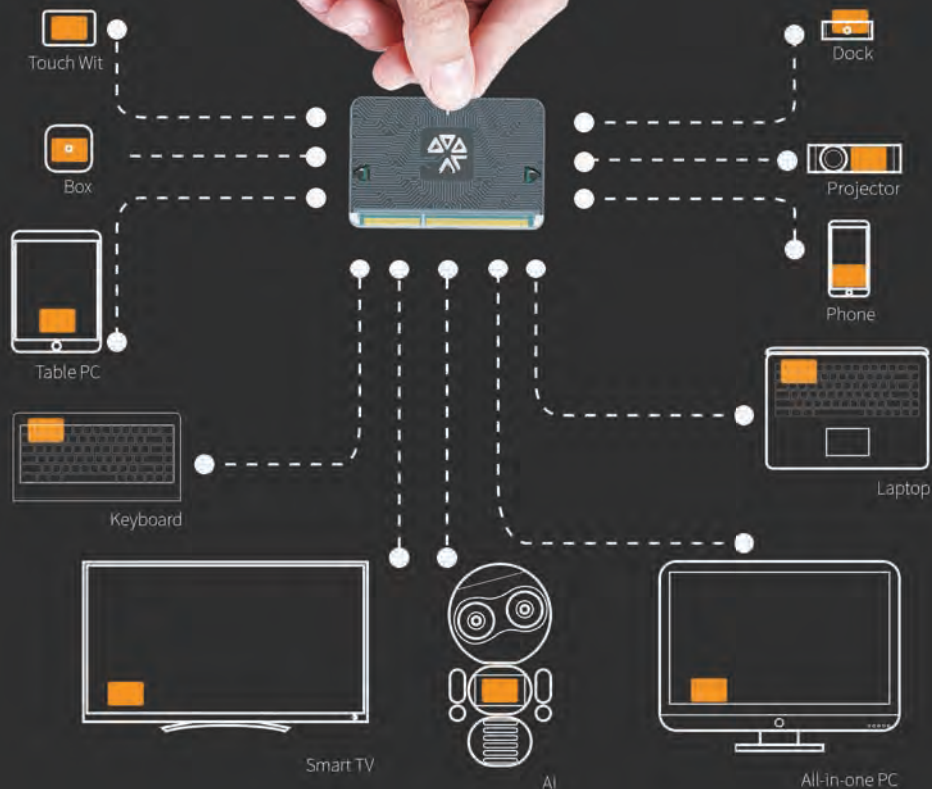


Congratulations and Happy 70th Birthday  
to  
Director and Ryder Professor S.S. Iyengar



**FIU**

**Computing &  
Information Sciences**



Acooo WAHE, a business card sized computing card, is an all-in-one processor packed with the performance of the ARM or X86 system. The various types of WAHE are all with standard and modular socket design, making it easy to install and upgrade the computing cards in all compatible smart devices.

Acooo Beijing Limited designs, manufactures, and sells the standard WAHE computing cards, among the other related smart devices. It also customizes the computing cards to any specific smart device needs. Please contact:

ACOOO (BEIJING) LIMITED

C-2511, T2, Wangjing SOHO, Chaoyang Dist., Beijing

China: +86 10-64770951

US: 1-630-697-2591

W: [acooo.cn](http://acooo.cn)

