

DR. SUBBARAO V. WUNNAVA Ph.D.,P.E.,

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(At Florida International University, a State University of Florida in Miami)

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Dr. Subbarao V Wunnava has more than 40 years of teaching, research, and academic administration experience. He holds PhD in Physics and instrumentation, MS in Electrical and Electronics Engineering, BS in Physics, Mathematics, and Chemistry, and Professional Engineers (PE) License from State of Florida. After 6 years at the North Dakota State University (**NDSU**), and 32 years at the Florida International University (**FIU**), he retired at 2008/2009, as Professor of Electrical and Computer Engineering. During his academic tenure, he developed and taught more than **20 undergraduate** courses in: Circuits; Systems; Electronics and Integrated Circuits; Logic and Computer Systems; Microprocessors and Digital Signal Processing; Analog and Digital Communications; Analog and Digital Controls; Filters and Antenna Designs; and Programming and Software Systems. At the **graduate level**, he developed and taught several courses in: Advanced Microprocessors and systems; Computer, Data, and Network Communications; Network and Data Security; Fiber Optic and Advanced Optical Communications; Embedded Systems; Very Large Scale Integrated Circuits (VLSI) and Systems; Micro Operating Systems; and Intelligent Systems. At FIU, he worked as **Undergraduate and Graduate Advisor; Associate and Acting Chairperson** of the Department; Faculty Senator and Faculty Council member; Chairperson for several departmental and college committees such as: Tenure & Promotion, Search & Screen, Sabbatical Leave; Student Orientation; and several others. Through the Diversity in Engineering, Subbarao actively participated and interacted with the Dade County school system, and the area high schools.

He has graduated **more than 80 Masters Degree Students and 9 PhD students as the major professor** at FIU. In addition, he has worked as a committee member for more than 100 graduate students from Engineering, Computer Science, and others. He had been active Principal Investigator (PI) and Co-PI on several hardware, software, data communications and networking projects. Also, he had written: **3 text books on Microprocessors and Applications**; 10 monographs on systems and networks; and more than 200 journal and conference publications in the related fields of engineering and computing. In addition, he had been active consulting engineer with the **AT&T Information Systems, Bell Communication Research Laboratories, Intel, Motorola, Burroughs, Cordis, and Theretek Corporations**. He was experienced in accreditation agencies such as: **ABET** (Accreditation Board for Engineering and Technology); **SACS** (Southern Association of Colleges and Schools); and other academic and professional organizations. Also, throughout his career at FIU, he had been very active with the student related organizations such as: the Computer and Engineering Societies, Societies for Women and Hispanic Engineers, Order of the Engineers, Tau Bet Pi, and several others.

During his tenure at FIU, he has developed Data Communications and Networking Laboratories with Integrated Services Digital Network (**ISDN**) and Asynchronous Transfer Mode (**ATM**) capabilities; **VLSI and Intelligent Systems Laboratories** with emphasis on **Microchip Designs**, Hardware Description Language (**HDL**) Platforms with VHDL (Very High Speed Integrated Circuit HDL), Verilog and others. Currently, he is involved in On-line teaching methodologies, improvement of Science, Mathematics, and Engineering Education strategies, and globalized integration of engineering education. He has professional associations with engineering institutions from countries like India, China, and others. He has been an active member of the American Society of Engineering Education (**ASEE**), Institute of Electrical and Electronics Engineering (**IEEE**), Computer Engineering and Communication Societies, and several others. He has secured several outstanding teaching, research, and professional awards at the North Dakota State University, and at the Florida International University (including distinguished professional recognition award).

His credentials can be found on the FIU web site <http://web.eng.fiu.edu/~subbarao/wunnava/> Browsing through the parent directory of the web, would provide further information about the projects and other academic activities of Subbarao at FIU, in recent times.

Subbarao V Wunnava recently published two related and education oriented books **"Life and Career of a Professor (LCP)"** and **"Making an Academic Career (MAC)"** (with Amazon Corporation www.amazon.com) dealing with: his academic experiences; interactions with the students, colleagues, peers, and administrators; his teaching, research, and industrial interactions; and practical suggestions to make the academic careers pleasant and rewarding. Detailed resume is available, if needed.