

Tayeb A. Giuma

Professor Tayeb A. Giuma received his Ph.D. in computer engineering from the Electrical & Computer Engineering Department at the University of Miami, Florida in 1987. He also received his BSEE and MSEE degrees in Electrical and Computer Engineering from the University of Miami in 1979 and 1980, respectively. Dr. Giuma has been with the Electrical Engineering Department at the University of North Florida in Jacksonville, Florida since its inception in 1987. Prior to that he was part of the ECE faculty at the University of Miami from 1980 until 1987.



Dr. Giuma's interests are in quality teaching and research programs in electrical and computer engineering. Some of his special interests are in microprocessors/microcontrollers architectures and applications, embedded system design, wireless systems design, computer architecture, computer-aided-instruction/design (CAI/CAD). He developed and taught a wide array of courses in electrical and computer engineering such as electronics, controls, networks, signals and systems, digital systems, microprocessors, computer architecture, embedded systems, and software courses (C, OOP). He is the recipient of numerous teaching awards from his students and his colleagues both at the University of Miami and the University of North Florida.

Dr. Giuma is a senior member of the IEEE, and a member of the IEEE Computer Society, American Society for Engineering Education (ASEE), Sigma Xi (Scientific Research Society). He served in different technical groups such as the IEEE Standards Committee on Microprocessors, the IEEE Multiple-Valued Logic Technical Committee, and ICONS Technical Programs Committee. He also served as program co-organizer and sessions chairman in numerous international, national and regional technical conferences. He is a regular reviewer for refereed publications such as the IEEE Transactions, ICONS, and Mathematical Reviews.

Dr. Giuma is the co-author of a textbook, "Principles of Electrical Engineering, McGraw Hill, 1991, 757 pages with P. Peebles. He authored/co-authored a large number of technical refereed papers in national and international publications such as International Journal of Electronics, Journal of Applied Mathematics and Computation, IEEE Transactions, ASEE Journal of Computers in Education, proceedings of ICONS, the International Symposium on Multi-valued Logic, the International Symposium of Mini & Microcomputers & Their Applications, Frontiers in Engineering Education, Southeastern Symposium on Systems Theory, the IEEE SoutheastCon, and SouthCon.

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