

**Curriculum vitae of Professor Alexios N. Birbas**  
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**Alexios Birbas** is Professor of Microelectronics in the Department of Electrical and Computer Engineering of the University of Patras and he is the Chairman of the newly established SNS HW Working Group. He received the MSEE and PhD degrees from the University of Minnesota, Minneapolis, Minnesota USA in 1986 and 1988 respectively. He has held faculty positions at the University of Minnesota (1988-1989) and at INPG, Grenoble, France (1990-1991). He has supervised a large number of Diploma Theses and 22 PhD Theses. His legacy research interests include device electronics, optoelectronics, noise and fluctuation problems in electronics, mixed signal high speed design, hardware/software system co-design, sensors, readout and error correcting circuits, IoT, smart grid electronics, B5G/6G communication systems, AI/ML hardware accelerators, trans- active energy and Cyber Physical Systems (CPS). Dr. Birbas has been active consultant in the Industry and has also served in executive Industrial positions. Moreover, he has been involved into two start-ups in the microelectronics domain. He has participated in a number of SNS projects (5G-Vinni, 5G Victori, 6G-XCEL, 6G-Sustain including the SNS Lighthouse SNS Microelectronics project 6G-XTREME).