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John S. Baras received the B.S. in Electrical Eng. from the Nat. Techn. Univ. of Athens, Greece, in 1970, and the M.S. and Ph.D. in Applied Math. from Harvard Univ. in 1971 and 1973.

Professor Baras was the founding Director of the Institute for Systems Research (one of the first six NSF Engineering Research Centers) from 1985 to 1991. Since August 1973 he has been with the Electrical and Computer Engineering Department, and the Applied Mathematics Faculty, at the University of Maryland, College Park, where he is currently a Professor holding a permanent joint appointment with the ISR. In February 1990 he was appointed to the Lockheed Martin Chair in Systems Engineering. Since 1991 Dr. Baras has been the Director of the Maryland Center for Hybrid Networks (HYNET) (a NASA Research Partnership Center).

Among his awards are: the 1980 Outstanding Paper Award of the IEEE Control Systems Society; 1978, 1983 and 1993 Alan Berman Research Publication Awards from NRL; 1991, 1994, Outstanding Invention of the Year Awards from the University of Maryland; 1998, the Mancur Olson Research Achievement Award, from the Univ. of Maryland College Park (award recognizes faculty whose research achievements have been extraordinary); 2002, Best paper Award at the 23rd Army Science Conference, Orlando, Florida; Best paper Award 2004 Wireless Security conference.

Dr. Baras is a Fellow of the IEEE. He was elected a Foreign Member of the Royal Swedish Academy of Engineering Sciences in 2006.

Professor Baras' research interests include control, communication and computing systems.

Professor Baras was the initial principal architect of the ISR M.S. program in Systems Engineering. More recently Dr. Baras has been heavily involved in the development of new core courses for systems engineering. His efforts address the often emphasized need for a new integrative approach to engineering (holistic rather than in parts) which in turn addresses the needs for modular design, systems thinking and team work.