Department of Electromagnetic Field

Faculty of Electrical Engineering, CTU in Prague

would like to invite you

to a guest lecture of

Prof. John N. Sahalos

RFIDs and Sensors
Means of Changing the Traditional Way of Life

when: Friday 5. December 2014 at 10:00

where: Technicka 2, Praha 6, lecture room 209

A question that appears nowadays is why there is a lot of interest in antennas and wireless devices. The answer comes from the needs of miniaturization, multi-functionality, compactness, conformability, availability and unlimited informatics.

In this talk the wireless technology for the daily life convenience by using Sensors and RFIDs will be discussed. The critical RFID system parameters and the infrastructure for current (or future) RFID/backscatter radio research and development for a multi-billion dollar-valued industry worldwide will be explained.

Our recent design and implementation of RFID systems will be presented. Also, certain applications and experiments will be shown. Finally, ideas on future research will be discussed.

Source: http://www.siemens.com

Prof. John N. Sahalos started his faculty carrier in 1978 as a Professor at the ECE Department, University of Thrace. He is now a Professor at the ECE Department of the University of Nicosia, Cyprus and a Professor Emeritus of Radio-Communications at the AUTH, Greece. In 1981-91, he spent part of his time as a visiting faculty member at the Ohio State University, the University of Dayton, the University of Colorado and the Technical University of Madrid, Spain. He is the author of four books and more than four hundreds articles published in the scientific literature. His research interests are in the areas of antennas, high frequency techniques, radio-communications, EMC/EMI, RFID, microwaves, and biomedical engineering. Prof. Sahalos was the director of Graduate Programs for 20 years at AUTH. He was technical advisor and member of the Board of Directors in a Multinational Telecommunications Company. He was the president of the Greek committees of URSI and of the Greek ICT/NCRT. He is now the executive manager of the University of Nicosia Research Foundation (UNRF) and a member of the consulting committee of the GRNET S.A. He has supervised 31 PhDs and more than 100 postgraduate diploma theses. Dr. Sahalos is a Life Fellow of the IEEE, an Honorary Fellow of the Electronic Physics Society, a member of the Greek Physical Society and a member of the Technical Chamber of Greece. With his colleagues Prof. Sahalos designed several well known innovative products like the Electric Impedance Tomography, (EIT), the Microwave Landing System, (MLS), the ORAMA simulator and the SMS-K monitoring system.