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IoT Technologies Overview and Trends

Speaker: **Prof. Sotirios K. GOUDOS**
(Aristotle University of Thessaloniki, Thessaloniki, Greece)

Date: 24 May 2018 @ 11:00

Location: Room GARDA – Polo Scientifico F. Ferrari – Povo

Note: The seminar will be held in English

Contact: Prof. Giacomo Oliveri (giacomo.oliveri@unitn.it)

Abstract:
The seminar will make a brief introduction of the IoT Protocol stack. The seminar will include physical and Data Link Layer Technologies (RFID, IEEE 802.15.4, IEEE 802.11, Bluetooth low energy (BLE)), network Layer Technologies (IPv6, 6LoWPAN), transport and application layer technologies (Constrained Application Protocol (CoAP). Additionally, a brief introduction to long range IoT technologies (LoRaWAN, NB-IoT) will also be part of the seminar.

About the Speaker:
Prof. Sotirios K. Goudos received the B.Sc. degree in Physics in 1991 and the M.Sc. of Postgraduate Studies in Electronics in 1994 both from the Aristotle University of Thessaloniki. In 2001, he received the Ph.D. degree in Physics from the Aristotle University of Thessaloniki and in 2005 the Master in Information Systems from the University of Macedonia, Greece. In 2011, he obtained the Diploma degree in Electrical and Computer Engineering from the Aristotle University of Thessaloniki. From 1996 to 2012, he worked in the Telecommunications Center of the Aristotle University of Thessaloniki, Greece. From 2004 to 2007 he was a part-time lecturer with the Department of Technology Management, University of Macedonia, Greece. He joined the Department of Physics, Aristotle University of Thessaloniki, in 2013 where he is currently Assistant Professor. His research interests include antenna and microwave structures design, evolutionary algorithms, wireless communications, and semantic web technologies. He is member of the Editorial Board of the International Journal of Antennas and Propagation (IJAP), the International Scholarly Research Notices (ISRN) under the Computer Engineering subject, the International Journal of Energy Optimization and Engineering, and the International Journal on Advances on Intelligent Systems. Dr. Goudos was the Lead Guest Editor in the 2016 and 2017 Special Issues of the IJAP with topic "Evolutionary Algorithms Applied to Antennas and Propagation: Emerging Trends and Applications". He was the Editor of the book "Microwave Systems and Applications", InTech publishers, 2017. Dr. Goudos has served as the Technical Program Chair in the International Conference on Modern Circuits and Systems Technologies (MOCAST). He is sub-committee chair in the Asian-Pacific Microwave Conference (APMC 2017) in the track of Smart and reconfigurable antennas. He has also served as a member of the Technical Program Committees in several IEEE and non-IEEE conferences. Dr. Goudos is a member of the IEEE (Senior member), the IEICE, the Greek Physics Society, the Technical Chamber of Greece, and the Greek Computer Society.

Additional Notes:
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