The Wireless Laboratory in the Department of **Electrical and Electronic Engineering Science** at the **University of Johannesburg** is hosting a **Workshop on Wireless Communications in Smart Grid and Smart Home** chaired by **Prof** Andreas **Pitsillides** of the Department of **Computer Science, University of Cyprus**

Date: **Friday, 4 October 2013**

Time: **9:00 to 16:00**

Venue: **Engineering Building 2, Edison Room, Technolab, Auckland Park Campus**

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Co-Chairs: ***Professor Andreas Pitsillides, and***
Dr Suvendi Chinnappen

Agenda:

Time	Description
9:00 - 9:10	Welcome and Introduction, Dr Chinnappen, YLab, UJ
9:10-9:30	Overview of Networks Research Laboratory, Prof Pitsillides, UCY
9:30 – 10:30	*Opportunities and challenges of Wireless Communication in the Smart Grid*, Prof Pitsillides, UCY
10:30 - 11:00	Tea
11:00 - 11:40	*Home Energy Management and Optimisation*, Marais Steyn, Eskom
11:50 - 12:30	*An Eskom Investigation into Field Area Networks (FANs)*, Pascal Motsoasele, Eskom
12:40 - 13:00	*Indoor Path Loss Models*, Katleho Kanyane, Masters student, UJ
13:00 - 14:00	Lunch
14:00-14:25	*Microgrid research,* Wunmi Longe, PhD Student, UJ
14:30:14:50	*Advanced Metering Infrastructure Deployment in Smart Grid,* Wunmi Longe, PhD Student, UJ
14:50 - 15:40	*Smart Grid and Smart Home Security* , Prof Pitsillides, UCY
15:40 - 16:00	General Discussion and Closure

***Biography*:**

Andreas Pitsillides is a Professor in the Department of Computer Science, University of Cyprus, and heads the Networks Research Laboratory. Andreas is also a Founding member and Chairman of the Board of the Cyprus Academic and Research Network (CYNET) since its establishment in 2000.

His research interests include fixed and mobile/wireless networks, the Internet- and Web- of Things, and Internet technologies and their application in Mobile e-Services, especially e-health, and security. He has a particular interest in adapting tools from various fields of applied mathematics such as control theory, game theory, nature inspired techniques, and computational intelligence to solve problems in computer networks.

Andreas has published over 230 referred journal papers in flagship **IEEE, Elsevier, IFAC, Springer** journals, international conferences and book chapters, he is the co-author with Josephine Antoniou of the book **Game Theory in Communication Networks: Cooperative Resolution of Interactive Networking Scenarios** (CRC, ISBN: 978-1439848081, 2012), he is the co-editor with Petros Ioannou of the book on **Modelling and Control of Complex Systems** (CRC Press, ISBN: 978-0-8493-7985-0, 2007), participated in over 30 European Commission and locally funded research projects with over 4.5 million Euro as principal or co-principal investigator, presented keynotes, invited lectures at major research organisations, short courses at international conferences and short courses to industry.

He serves on the editorial boards of **the Journal of Computer Networks** (COMNET) and **International Journal of Handheld Computing Research** (IJHCR), served on international conferences as General Chair (ICT2011, EuroMedNet'98), Vice General Chair (WiOpt'07), international co-chair (INFOCOM 2003), technical program chair (MCCS05, ISYC06), and on executive committees (e.g. INFOCOM 2001–2003, and ICT98), technical committees, guest co-editor, invited speaker, and as a regular reviewer for conference and journal submissions. He is also a member of the International Federation of Automatic Control (IFAC) Technical Committee (TC 1.5) on Networked Systems, IFAC TC 7.4 on Transportation Systems and the IFIP working group WG 6.3.

Andreas is also very active in competitive research projects. He participated in over 30 European Commission and locally funded research projects with over 4.5 million Euro as principal or co-principal investigator. Recent projects in which he is involved with as a (co)principal investigator include European Commission funded (e.g. AGILE, GINSENG, C-CAST, C-MOBILE, MOTIVE, B-BONE, E-NEXT, SEACORN, M-POWER, GN2 and GEANT), National Research Board funded (e.g. MIND2C, EM-VANETS, VIDEO, TRAFFICNET, TRAFBUS, DITIS), Cambridge Microsoft Research Labs (DITIS II) and University project grants (e.g. ADIVIS).

http://www.NetRL.ucy.ac.cy