

**Wrocławskie Centrum Badań EIT+** zaprasza na wykład w ramach programu *Visiting Professors* finansowanego z funduszu Scientiae Wratislavienses Urzędu Miejskiego Wrocławia

# Wykłady prof. Anthony Lo

## LTE-Advanced

*8 czerwca 2011 godz. 10.00-12.00*

*Wrocławskie Centrum Badań EIT+, Stabłowicka 147/149*

Abstract: LTE-Advanced is the next-generation mobile broadband system, which evolves from LTE technology. The seminar presents the new features of LTE-Advanced, which include advanced relaying techniques, carrier aggregation, coordination multipoint transmission/reception, heterogeneous network deployments and MIMO enhancements (MU-MIMO, virtual MIMO).



Anthony Lo is currently an Associate Professor in the Faculty of Electrical Engineering, Mathematics and Computer Science at Delft University of Technology, Netherlands. He received his PhD in Protocol and Network Engineering from La Trobe University, Melbourne.

His research interests include Cross Layer Design for Communication Network, Communication Protocols, LTE Advanced and Ad-Hoc Network. He had secured numerous grants and had published significant number of papers in the related research work.

## Personal Networks part 1

*8 czerwca 2011 godz. 13.00-14.00*

*Wrocławskie Centrum Badań EIT+, Stabłowicka 147/149*

## Personal Networks part 2

*8 czerwca 2011 godz. 15.00-16.00*

*Wrocławskie Centrum Badań EIT+, Stabłowicka 147/149*

Abstract: A personal network is a network architecture which builds on various wireless networking technologies. It is responsible for glueing these wireless networking technologies to serve users. This paper considers the co-operation of several key technologies to realize a personal network, namely, Wireless Personal Area Network (WPAN), Wireless Local Area Network (WLAN) and mobile networks. This co-operation poses a new set of problems as these technologies were not designed to interwork with each other. In this paper, we present an architectural framework on which one can build a personal network using these wireless technologies. We also discuss each of these problems and propose solutions toward building a personal network demonstrator.

Wszystkie wykłady odbywać się będą w języku angielskim. W celu rezerwacji miejsc prosimy o wcześniejsze zapisy: [marlena.bogucka-kubacka@eitplus.pl](mailto:marlena.bogucka-kubacka@eitplus.pl), tel. 71 356 70 88

