

EE Department Seminars

February 8, 2010, Monday, 3 p.m.
Yorgo I Stefanopoulos Meeting Lounge (KB 217)

Technology and Challenges in Mobile Wireless Applications

*Dr. Mustafa ERGEN, Director
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The new era in mobile communication is data centric. The approach is following two prong ways: with infrastructure and without infrastructure. The talk will be covering mobile broadband technology and infrastructure applications ranging from femtocell, 4G WiMAX and LTE and infrastructure-less applications in vehicle-to-vehicle communication of intelligent transportation. The talk will identify the technological challenges and proposed solutions as well as the applied use scenarios.

Mustafa Ergen is known contributor to wireless networking with his research at UC Berkeley and his development efforts at his startup, Wichorus - acquired by Tellabs in 2009. Dr. Ergen recently authored widely used book titled "Mobile Broadband – Including WiMAX and LTE" by Springer in 2009 and co-authored the book titled "Multi Carrier Digital Communications: Theory and Applications of OFDM" by Springer in 2004. He completed four programs from UC Berkeley including PhD, MA, MOT, and MSEE between 2000 and 2004 and is author of many works in wireless field. He received his BSEE from ODTU with a Valedictorian degree in 2000. Currently, he is serving in the board of trustees of TOBB Economy and Technology University in Ankara and a director in Argela, a Turk Telekom company.