Publications of Mustafa Ergen

Book:
“Multi-Carrier Digital Communications: Theory and Applications of OFDM”, Ahmad RS Bahai, Burton R. Saltzberg, Mustafa Ergen, Springer Inc. Newyork, 2004. ISBN: (HB) 0-387-22575-7 (alk.paper)/ (eBook) 0-387-22576-5. (I wrote the following chapters: 2.1, 2.2, 2.3, 6.1, 6.2, 9, 11, 12, 13. Table of contents can be found in http://ofdm.eecs.berkeley.edu)

Available at http://www.eecs.berkeley.edu/~ergen/docs/ieee.pdf.

Thesis & Reports:


“Adaptive Antenna System for IEEE 802.11,” Mustafa Ergen, Internal


Journals:


Mustafa Ergen, Pravin Varaiya, “Throughput Analysis and Admission Control in IEEE 802.11a” appear on ACM-Kluwer MONET Special Issue on WLAN Optimization at the MAC and Network Levels.


Sinem Coleri, Mustafa Ergen, Anuj Puri, Ahmad Bahai, “Channel Estimation Techniques Based on Pilot Arrangement in OFDM Systems,”
Selected Conference Papers:

Mustafa Ergen, Pravin Varaiya, “Adaptive Antenna for point-to-point links”, submitted to GLOBECOM.

Mustafa Ergen, Sinem Coleri, Pravin Varaiya, “Multicast based Wireless Voice over IP protocol for IEEE 802.11”, submitted to IEEE GLOBECOM.


Duke Lee, Sinem Coleri, Xuanming Dong, **Mustafa Ergen**, “**FLORAX- Flow-Rate Based Hop by Hop Back-pressure Control for IEEE 802.3x**,” IEEE HSNMC Jeju Island Korea July, 2002.


Sinem Coleri, **Mustafa Ergen**, “**Verification and Power Analysis of an Event-Based System (TinyOS) and Sensor Network with Hybrid Automata**,” SCI Orlando, July, 2002.
