



IEEE Oakland/East Bay Communications Society

Presents

LTE-Advanced and Beyond – Future Radio Access

**Dr. Stefan Parkvall,
IEEE Distinguished Lecturer
Ericsson Research**

**Thursday, September 15, 2011
7:00 PM (Pizza and networking at 6:30)**

**DeVry University, Room 106
6600 Dumbarton Cr.
Fremont, CA 94555**

This presentation will focus on how LTE is becoming the dominant 4G mobile communications technology. LTE-Advanced (Rel-10) and Rel-11 will be discussed as well as the following:

- Main technology components of LTE-Advanced
 - Enhanced multi-antenna transmission
 - Relaying
 - Carrier aggregation
- Considerations for future LTE releases such as DoMP and dynamic TDD
- Ways to meet demands for higher data rates such as heterogeneous deployments
- Other challenges and technologies for future radio access

Stefan Parkvall is currently a principal researcher at Ericsson Research, working with research on future radio access. He is actively participating in 3GPP physical-layer standardization and is one of the key persons in the development of HSPA, LTE and LTE-Advanced radio access. Dr Parkvall is a senior member of the IEEE and co-author of the popular books “3G Evolution – HSPA and LTE for Mobile Broadband” and “4G – LTE/LTE-Advanced for Mobile Broadband”. In 2009, he was co-recipient of the prestigious “Stora Teknikpriset” (Sweden’s major technology prize) for his work on HSPA. He received the Ph.D. degree in electrical engineering from the Royal Institute of Technology in 1996. His previous positions include assistant professor in communication theory at the Royal Institute of Technology, Stockholm, Sweden, and a visiting researcher at University of California, San Diego, USA.

Please RSVP for Pizza to bill.kaminsky@ieee.org by Sep 14.
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