

**Edited by: Marsch, Patrick and Gerhard P. Fettweis. *Coordinated Multi-Point in Mobile Communications from Theory to Practice*. New York, NY: Cambridge University Press, 2011, 480 pp. \$120.00 (Hardbound).**

A self-contained guide to coordinated multi-point (CoMP), this comprehensive book covers everything from theoretical basics to practical implementation. Addressing a wide range of topics, it highlights the potential gains of CoMP, the fundamental degrees of freedom involved, and the key challenges of using CoMP in practice. The editors and contributors bring unique real-world experience from running the world's first and largest test beds for LTE-Advanced, and recent field trial results are presented. With detailed insight into the realistic potential of CoMP as a key technology for LTE-Advanced and beyond, this is a must-read resource for professionals and students who want the big picture on CoMP or require in-depth knowledge of how to build cellular communication systems for the future.

**Patrick Marsch** was the technical project coordinator of the research project EASY-C, where the world's largest research test beds for LTE-Advanced were established and the first live demonstrations of CoMP were performed. He received his Dr.-Ing. degree from Technische Universität Dresden, where he later headed the system level group at the Vodafone Chair, focusing on optimizing spectral efficiency and energy efficiency in heterogeneous cellular deployments. He currently heads a radio research team within Nokia Siemens Networks in Wroclaw, Poland.

**Gerhard P. Fettweis** is the Vodafone Chair Professor at Technische Universität Dresden, with 20 companies from around the world currently sponsoring his research on wireless transmission and chip design. An IEEE Fellow, he runs the world's largest cellular research test beds, coordinated the EASY-C project, and has received numerous awards. He began his career at IBM Research and has since developed nine start-up companies (so far).