

# Recent developments in discrete Multitone Methods for xDSL applications

Organized by

Pr. Norbert J. Fliege, University of Mannheim, Germany

Recent developments in discrete Multitone Methods for xDSL applications are presented. Special attention is given to novel results in the field of dynamic adaptation.

This special session will present results from current research projects and highlight recent developments and new applications. Participants and co-authors of this session include employees of John Deere, two research assistants of the German Research Foundation, and members of Prof. Fliege's research group at the University of Mannheim. They unite profound theoretical knowledge in their fields with practical experience in communication systems design. Important industrial cooperations with Prof. Fliege's chair have existed for many years.

The individual contributions range from introductory level overview presentations of dynamic adaptive DMT modulation to detailed questions which arose in the practical implementation of a multi-user point-to-multipoint application in power line communications during a cooperation with a leading European group in generation and distribution of electricity.