Minutes of the
Department-1, Supra Work Package 3 Meeting
Advanced Signal Processing Algorithms and Mobility
At UCL, Louvain-la-Neuve, Belgium
April 22, 2005

The first meeting of Department 1, Supra Work Package 3, of NEWCOM was held at the Université Catholique de Louvain, Louvain-la-Neuve, Belgium on April 22, 2005.

The meeting program was implemented as follows:

The meeting began at 9:30. The total number of participants representing different partners was 12. Upon introducing themselves, each participant presented his/her contribution to SWP3 in about 20 minutes. Following the presentations (about 16:30 in the afternoon), the participants had a chance to discuss future collaborations. We also decided to make some preparations for the Global Department 1 Meeting to be held in Paris on May 13, 2005.

The meeting venue was the Catholic University of Louvain. Taking this opportunity, I would like to thank Professor Luc Vandendorpe for his efforts and hospitality as well as for the excellent organization which contributed to the success of this meeting.

The names, affiliations and e-mail addresses of the participants are as follows:

List of Participants

1. Erdal Panayırcı, ISIK University, e.mail: eepanay@isikun.edu.tr
2. Luc Vandendorpe, UCL, e.mail: vandendorpe@tele.ucl.ac.be
3. Marc Moeneclaey, UGent - TELIN dept., e.mail: Marc.Moeneclaey@telin.UGent.be
4. Alister Burr, University of York, e.mail: alister@ohm.york.ac.uk
5. Konstantinos Nikitopoulos, National and Kapodistrian University of Athens, e.mail: cnikit@cc.uoa.gr
6. Christian Kuhn, Munich University of Technology, e.mail: christian.kuhn@tum.de
7. Alexander Kocian, Aalborg University, e.mail: ak@kom.aau.dk
8. Alaa Ghaith, Yi Yuan, France Telecom R&D, e.mail: alaa.ghaith@francetelecom.com
9. Dirk T.M. Slock, Eurecom Institute, e.mail: dirk.slock@eurecom.fr

10. Montse Nájar, Universitat Politècnica de Catalunya, e.mail: najar@gps.tse.upc.es

11. Cedric Herzet, UCL, e.mail: herzet@tele.ucl.ac.be

12. Valery Ramon, UCL, e.mail: ramon@tele.ucl.ac.be

The list of presentations is as follows:

List of Presentations

1. Advanced Signal Processing Techniques for Wireless Communications
   Erdal Panayirci, ISIK University, e.mail: eepanay@isikun.edu.tr

2. Estimation and detection from coded signals
   Marc Moeneclaey, UGent - TELIN dept., e.mail: Marc.Moeneclaey@telin.UGent.be

3. Advanced Signal Processing Algorithms and Mobility
   Alister Burr, University of York, e.mail: alister@ohm.york.ac.uk

4. Phase Impairment Effects and Compensation
   Impairment Effects and Compensation Algorithms for OFDM Systems
   Algorithms for OFDM Systems
   Konstantinos Nikitopoulos, Andreas Polydoros, National and Kapodistrian University of Athens, e.mail: cnikit@cc.uoa.gr

5. A List-Sequential (LISS) Multiuser Detector for Turbo Schemes
   Christian Kuhn, Joachim Hagenauer, Norbert Görtz, Munich University of Technology, e.mail: christian.kuhn@tum.de

6. EM-based Iterative Channel Estimation, Interference Cancellation and Data Decoding
   for DS-CDMA
   Bin Hu, Alexander Kocian, Ingmar Land, Bernard H. Fleury, Asger Hviid, Romain Piton, Joachim Wehinger, Thomas Zemen, Aalborg University, e.mail: ak@kom.aau.dk

7. Iterative OS vs IC with mapping optimization for Coded M-QAM modulation
   Alaa Ghaith, Yi Yuan, France Telecom R&D, e.mail: alaa.ghaith@francetelecom.com

8. Advanced Signal Processing Algorithms and Mobility
   Dirk T.M. Slock, Eurecom Institute, e.mail: dirk.slock@eurecom.fr

9. Mobile Location With Bias Tracking In Non-Line-Of-Sight, Montse Nájar, Universitat
   Politècnica de Catalunya, e.mail: najar@gps.tse.upc.es
Note: The underlined names and the e.mail addresses correspond to the actual presenters in the meeting