

DRAFT Meeting Minutes

Project Steering Committee meeting

Meeting no. 3/2007

Phone Conference, 14th September 2006 (10:00-11:00 CEST)

Attendees: Ezio Biglieri (FBM-UPF), Helmut Bölcskei (ETHZ), Andy Burg (ETHZ), Ari Hottinen (Nokia), Katja Kapfer (FTW), Gerald Matz (VUT), Giorgio Taricco (PoliTo), Emanuele Viterbo (UNICAL), Christoph Mecklenbräuer (FTW), Erwin Riegler (FTW).

Circulation: MASCOT PSC

Executive Summary

Progress is proceeding smoothly in WP1-WP4 with very high publication activity. The testbed implementation in WP2 lags somewhat behind the plan, but this will not affect the demonstrations at the ETHZ Open House Event. Industry course (D4.4), UNICAL workshop, and ETHZ Open House Event (D4.5) were planned in further detail. The work on the upcoming deliverables due in December 2007 has started.

Detailed Minutes

1. Next PSC meeting planned during UNICAL workshop (Dec. 3-4, 2007)

2. Assessment of project progress

- a. Report from **WP1** algorithms (Gerald Matz): proceeds as planned, we notice increased cross-workpackage activities. Milestone 1.2.2 (M18) is achieved.
- b. Report from **WP2** library and testbed (Andy Burg): ETHZ testbed milestones are delayed. However, we are confident that a 5-terminal multiuser-MIMO demonstration will work at the ETHZ open house event (January 2008). The contents of Deliverable "MIMO-MAC extensions" need to be defined. See also "[MASCOT_WP2_Status_2007-09-14.pdf](#)"
- c. Report from **WP3** limits (Giorgio Taricco): as planned, multiuser capacity region is characterized, finalising also other activities, journal version of this work is in preparation
- d. Report from **WP4** dissemination (cfm): Publication activities during 2007 continue to be very high. Special sessions were organised during SPAWC 2007 and EUSIPCO 2007. Special session is proposed for ICASSP 2008.
- e. Report from **WP5** management (cfm, Katja Kapfer): see Agenda Item 3.

3. Budget and reporting

- a. Payments received by all partners (settlements 2006, pre-financing 2007)
 - b. FTW, UNICAL, and FBM-UPF are below their respective budget plans (i.e. effectively underspending). We will organise a separate PhC in the week October 8-12, 2007 with partners FTW, UNICAL, FBM-UPF to discuss the budget situation.
4. MASCOT related event planning
- a. D4.4 Industry course on MU-MIMO, November 16, 2007, Helsinki, Finland.
 - i. We will re-use some of the material from the MU-MIMO tutorial (Feb 2007)
 - ii. The industry course will be organised as 4 speakers, 90 minutes each,
 1. Helmut Bölcskei, Emanuele Viterbo, Christoph Mecklenbräuker, and one speaker from FhG-HHI,
 - iii. Action Item: cfm contacts HHI, and drafts course programme next week.
 - iv. Course fee: 50 EUR.
 - b. UNICAL Workshop December 3-4, 2007.
 - i. Internal scientific workshop during Monday-Tuesday, December 3-4, 2007.
 - ii. All MASCOT researchers are invited to give short presentations (15 min.) with open questions for collaboration opportunities. Currently 16 participants have registered, short talks 15 minutes
 - iii. Preliminary travel plan: arrival Sunday Dec 2, leaving Wednesday Dec 5
 - iv. PSC meeting
 - v. Discussion of MASCOT successor project
 - c. D4.5 (1st ETHZ open-house event, resp. Helmut Bölcskei, ETHZ) is shifted to Jan. 2008.
 - i. Specific date in January 2008 needs to be defined soon.
 - ii. Invitations to be sent out beginning of November 2007
 - iii. Demonstration goals: Space-time codes with offline processing, a real-time MU-MIMO system with basic MU-MIMO MAC and link- adaptation or scheduling
5. Upcoming deliverables
- a. D2.3.2 (MIMO-MAC extensions, resp: Helmut Bölcskei or Markus Wenk, ETHZ), Dec. 2007
 - b. D5.4 (2nd annual project review, resp: Christoph Mecklenbräuker, FTW), Dec. 2007
 - c. D3.1.2 (capacity regions, resp: Giorgio Taricco, PoliTo), Dec. 2007
 - d. D1.3.1 (baseband algorithms, resp: Gerald Matz, VUT), Dec. 2007. Invitations to contribute in early October.
6. Preparation of MASCOT successor project within FP7
- a. Preparation for FP7 ICT ... FET Open Call
 - b. Research on MIMO ad hoc and cognitive radio
 - c. Targeted date of submission: March 2008
7. Any other business
- a. Liaison to SURFACE (currently no new joint activities planned)



- b. COST Action 2100 plans a Workshop on MIMO and Cooperative Communication to be held in Trondheim, Norway, during June 3-6, 2008. Open call for papers, peer-reviewed, the deadline for full paper submission end of March / mid April 2008.
- c. IPR policy committee status: no recent changes.
- d. Opportunity: ICASSP 2008 and WCNC 2008 are co-located.
 - i. ICASSP 2008, March 30 – April 4, 2008, Ceasar's Palace, Las Vegas
 - ii. WCNC 2008, March 31 – April 3, 2008, Convention Center, Las Vegas
 - iii. CTIA WIRELESS 2008, co-located with WCNC 2008.
- e. Helmut Bölcskei announced that ETH Zürich has founded a spin-off "celestrius", for details please see their web-page <http://www.celestrius.com/>
 - i. Planning of the start-up started in 2006.
 - ii. MASCOT currently benefits from work done at celestrius through Andy Burg.

Draft Minutes distributed on September 15, 2006 by cfm for approval.

Final Minutes to be distributed on September 24, 2007 by cfm.

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