



## MINUTES

### ***Project Steering Committee meeting***

Meeting no. 4/2007

***Università della Calabria, 4<sup>th</sup> December 2007 (10:00-12:00 CET)***

Participants:

**Emanuele Viterbo (appointed by NOK for this meeting), Martin Schubert (appointed by FhG-HHI for this meeting), Giorgio Taricco (PoliTo), Gerald Matz (VUT), Dominik Seethaler (appointed by ETHZ for this meeting), Ezio Biglieri (FBM-UPF), Emanuele Viterbo (UNICAL), Christoph Mecklenbräuker (FTW)**

Executive summary

*Upcoming deliverables D1.3.1, D2.3.2, D3.1.2, D5.4 are well underway and will be ready punctually. A roadmap for the preparation of the ETHZ open house event on Feb. 22, 2008 was discussed and agreed. The 2<sup>nd</sup> MU-MIMO Industry Course is planned as a tutorial at EUSIPCO 2008, Lausanne, August 2008. A scope, coarse WP structure, and timeplan for the submission of a MASCOT successor project was agreed.*

*The next PSC meeting will be held on Friday Feb. 22, 2008 in Zürich.*

Detailed minutes

1. The next PSC meeting will be held during the ETHZ open house event on Friday Feb 22, 2008 in Zürich. That PSC meeting will be devoted to the organisation of presentations about MASCOT's Year 2 for the upcoming Technical Review. PSC Members who cannot not travel to Zürich in this day can participate by phone.
2. The MASCOT Technical Review takes place in Brussels on March 4, 2008. We currently plan that Giorgio Taricco (WP3 leader), Dominik Seethaler (representing WP2), and Gerald Matz (WP1 leader) will accompany Christoph Mecklenbräuker to this review.
3. Assessment of project progress
  - a. report from WP1 algorithms (Gerald Matz): Deliverable D1.3.1 is progressing well. It will be one of the thicker deliverables. Gerald will send out a draft D1.3.1 on December 15, 2007.
  - b. report from WP2 testbed (Dominik Seethaler): Wenk and Lüthi at IIS are now responsible for

the ETHZ testbed . Milestones M2.3.1 will be completed before Dec. 24, 2007. We will split the second milestone M2.3.2 into three smaller ones M2.3.2a, M2.3.2b, M2.3.2c. The contents of Deliverable "MIMO-MAC extensions" have been defined.

- c. report from WP3 limits (Giorgio Taricco): Deliverable D3.1.2 is well in time with input from PoliTo, FTW, and FhG-HHI.
- d. report from WP4 dissemination (cfm): MASCOT Industry Course was attended by around 30 people, special session was held at EUSIPCO 2007 (Poznan)
- e. report from WP5 management (cfm): preparation of annual activity report is well underway. Katja Kapfer left ftw., but she will nevertheless handle the MASCOT financial audit 2007.

#### 4. Budget and reporting

- a. Payments received by all partners (settlements 2006, pre-financing 2007)
- b. Next payments from the trust account to the MASCOT partners are planned for March 2008.
- c. The current balance on the trust account is given in the table below:

FTW	NOK	FhG-HHI	PoliTo	VUT	ETHZ	FBM-UPF	UNICAL		trust account
								<b>1.236.000,00</b>	<b>1.236.000,00</b>
105.483,84	63.822,33	61.221,00	61.425,00	127.119,72	366.600,00	53.107,08	0,00	- 838.778,98	397.221,02
6.640,04	33.286,50	8.526,49	18.921,63	50.817,04	189.706,41	14.215,01	30.000,00	- 352.113,12	45.107,90
								<b>720.618,42</b>	<b>765.726,32</b>
71.612,90	37.917,50	33.743,55	16.918,27	83.099,31	218.750,28	15.386,55	8.162,36	- 485.590,72	280.135,60
							30.000,00	- 30.000,00	250.135,60

#### 5. MASCOT related event planning

- a. **D4.5 ETHZ Open House Event, Feb. 22, 2008 (resp: Dominik Seethaler)**

The program for the morning will be:

- i. Welcome and opening remarks: Christoph and Helmut
- ii. Talk by A. Burg on "VLSI for MIMO Wireless"
- iii. Talk by C. Studer on "Iterative detection for MIMO wireless based on sphere decoding"
- iv. Talk by M. Wenk and P. Luethi on "The ETH real-time multi-user MIMO testbed"
- v. Lunch break
- vi. Multiple rounds of the Lab Demo, which will demonstrate the multi-user extension of the MIMO testbed specifically focusing on demonstrating coverage and capacity gains obtained through MIMO and emphasizing the real-time feature of the testbed (which is one of the key differentiating factors to other MIMO testbeds)
- vii. ends at 16.00
- viii. PSC meeting followed by a PSC dinner



- ix. The corporate communications (CC) division at ETH will prepare a 10-15 minutes video on the testbed and a podcast, which we can distribute. Moreover, I will meet the CC people next week to discuss a press release and further possibilities for publicizing the event.
- x. ETHZ is preparing a formal invitation with information on accommodation, how to get there etc. and Christoph will send out this information (before christmas) to the mailing list used for the industry course at Nokia.

**b. D4.6 Second MU-MIMO Industry Course (resp: cfm), date and location:**

- ~~i. In conjunction with ETHZ Open House Event, Feb. 22, 2008,~~
- ~~ii. In conjunction with WSA 2008, Feb 25-26, 2008 or~~
- iii. In conjunction with EUSIPCO 2008, Lausanne, August 25, 2008 as a tutorial.
- ~~iv. Or any other time: later during Spring 2008 ?~~

6. Status of 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.
- e. D4.5 ETHZ Open House Event, Feb. 22, 2008
- f. D3.2.1 Performance tradeoffs in Ad-hoc MIMO networks, resp: ETHZ, March 2008.
- g. D4.6 Second MU-MIMO Industry Course, scheduled for EUSIPCO 2008.

7. Preparation of MASCOT successor project within FP7

**a. Preparation for submission to FP7 FET Open Call**

**i. Submission to FET Open Batch 4: Short proposal deadline is May 6, 2008**

- b. Research on MIMO ad hoc, cooperative communications, and cognitive radio.
- c. Targeted date of full proposal submission: 20 August 2008 (Deadline: Sep 02, 2008)

8. 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. The deadline for full paper submission end of March / mid April 2008.
- c. 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.

Draft Minutes are distributed on December 5, 2007 by cfm for approval.

Final Minutes distributed on December 15, 2007 by cfm.