



DRAFT MINUTES

Project Steering Committee meeting

Meeting no. 1/2008

ETH Zurich, 22nd February 2008 (16:00-17:30 CET)

Participants:

- a) PSC members as listed in the new Description of Work (Status 2006-12-01): **Ari Hottinen, Holger Boche, Giorgio Taricco, Gerald Matz, Helmut Bölskei, Ezio Biglieri**, Emanuele Viterbo appoints **Barbara Cerato** for this meeting, **Christoph Mecklenbräuer** (cfm).
- b) Workpackage leaders (Gerald Matz, Helmut Bölskei, Giorgio Taricco, cfm)
- c) Technical Review Meeting Team for March 4, 2008: Gerald Matz (WP1), **Dominik Seethaler** (WP2), **Andreas Burg** (WP2/Testbed), Giorgio Taricco (WP3), cfm (WP4, WP5)

Executive Summary

The goals of First ETHZ Open House Event have been accomplished. The IPR policy committee presented the current list of new knowledge generated within MASCOT. Four algorithms for inclusion into the VHDL library of reference designs were selected. The policy for disseminating the VHDL library of reference designs was agreed. Prefinancing for 2008 from the remaining money on the trust account was agreed. The presentation strategy for the technical review on March 4 was discussed.

Detailed Minutes

See also cfm's PSC Meeting presentation (file: [P2008-02-22psc_meeting.ppt](#))

1. Next PSC meeting: Phone Conference Monday May 26 at 10:00am.
 - a. Issues to be discussed on May 26: distribution of the EC Grant for 3rd reporting period (2008) and the feedback received from the technical review.
2. Assessment of project progress (this may take only 10 minutes in total)
 - a. report from WP1 algorithms (Gerald Matz): proceeds as planned. Major accomplishment was delivery of D1.3.1 end of 2007. Gerald proposes using D1.3.1 as a basis for a book.

- b. report from WP2 library and testbed (Helmut Bölskei): D2.3.2a delivered and of 2007, testing of testbed implementation ongoing until June 2007. The goals of 1st ETHZ Open House Event which were agreed in the PSC Meeting on 14.09.2007 have been accomplished. Four algorithms have been selected for inclusion into the VHDL references designs. Library will be made available by ETHZ to interested parties (order by e-mail). No active support will be offered free of charge. Contains Matlab model, VHDL source code, and VHDL test bench. For details see (file: [WP2status_PSC_2008-02-22.pdf](#))
- c. report from WP3 limits (Giorgio Taricco): Ari volunteers to lead Task 3.2. Editing of Deliverable D3.2.1 is well underway.
- d. report from WP4 dissemination and exploitation (cfm):
 - i. Report on tracking of new knowledge (file: [MASCOT-IP_2008-02-22.doc](#))
 - ii. British Publishing Group approached cfm to include a 4-page MASCOT summary in their report (they plan to include 14 projects). Details unknown. After short discussion, it was concluded that we are not much interested.
- e. report from WP5 management (cfm):
 - i. Preparation of technical review meeting March 04, 2008.
 - ii. WP leaders are invited to relate to the ten central MASCOT questions in their presentations in Brussels.

3. Budget and reporting

- a. Current balance on MASCOT trust account: € 250k
- b. Proposal for distribution: € 214k, keeping € 36k as emergency reserve.

4th Prefinancing					
Basis for 4th Prefinancing	thereof 16% Prefinancing	PreFinancing received M25-M30	4th Prefinancing		
RP3 (14)	RP3 (15)	(16)	(17)		
200.703,98	32.112,64	-	32.112,64	1	ftw FC
124.343,68	19.894,99	-	19.894,99	2	NOK FC
137.608,97	22.017,44	-	22.017,44	3	FhG/HHI FC
64.235,10	10.277,62	-	10.277,62	4	PoliTo AC
241.063,93	38.570,23	-	38.570,23	5	VUT AC
497.443,31	79.590,93	-	79.590,93	6	ETHZ AC
77.371,36	12.379,42	-	12.379,42	7	FBM-UPF FC
34.383,76	5.501,40	30.000,00	-	8	UNICAL AC
1.377.154,09	220.344,65	30.000,00	214.843,25		

4. MASCOT related event planning

- a. D4.6 Second MU-MIMO Industry Course as a tutorial at EUSIPCO 2008, August 2008.
- b. EUSIPCO 2008 special session „Complexity Reduction in Multiuser MIMO Systems“
- c. D4.7 Second ETHZ Open House Event (Dec. 08) to be defined.
- d. Final MASCOT Closing Event during WSA 2009 in Berlin, February 2009.



- i. One extra day for MASCOT result presentation and discussion.
5. Status of upcoming deliverables
 - a. D3.2.1 Performance tradeoffs in Ad-hoc MIMO networks, resp: Ari Hottinen, Nokia, March 2008.
 - b. D4.6 Second MU-MIMO Industry Course, resp: Erwin Riegler, FTW, August 2008.
6. Preparation of MASCOT successor project within FP7
 - a. Preparation for FP7 ICT ... FET Open Call
 - b. Targeted date of submission: May 6, 2008
7. Any other business

Draft Minutes to be distributed on February 28, 2007 by cfm for approval.

APPENDIX for drafting the Short Proposal:

See also cfm's PSC Meeting presentation (file: [P2008-02-22psc_meeting.ppt](#))

Structure of the FET Open short proposal and assignment of editing tasks

5 pages of proposal in total

Section 1: approx. two pages

Section 2: approx. two pages

Section 3: approx. one page

Section 1: Scientific and/or technical quality, relevant to the topics addressed by the call

Sec. 1.1 Concept and objectives

Describe your concrete objectives. To what extent are the objectives relevant to the objectives of FET-Open? The objectives should be those achievable within the project, not through subsequent development. To the extent possible, quantify your objectives and define the success criteria that will allow the degree of your success or the validity of your initial assumptions to be measured.

[Christoph Mecklenbräuker has already collected scientific questions. Let's discuss!!](#)

See also (file: [P2008-02-22psc_meeting.ppt](#))

Sec. 1.2 Progress beyond the state-of-the-art

What is the innovation of your idea?

If you are aiming at a breakthrough or paradigm shift, describe it. If you are aiming at the further maturing of a recently demonstrated new scientific principle, explain why further foundational research is needed to bring it closer to the objectives of the more mainstream programs.

This is a task for the WP leaders: t.b.d.

Sec. 1.3 S/T methodology and associated work plan

Provide an outline of the approach. Which is the methodology you intend to put into practice? Provide convincing evidence that you fully understand / are aware of all of the initial difficulties / boundary conditions and have a clear idea on how to address them. You are not asked to guarantee that your approach necessarily leads to success; you have to demonstrate that you fully understand the problem and have a well thought out idea on how to address these. Define a validation phase / assessment task to assess the success / validity of your assumptions.



We should do this after we wrote 1.1 and 1.2
The WP leaders should do this: t.b.d.

Section 2: Implementation

Sec. 2.1 Resources to be committed

Provide the total number of man-months you intend to allocate to the achievement of your work and any major items of equipment you would put to use.

Whole budget should be between 3.5 and 4.5 Mio (max) Euro. Project duration 3 years
There is no fixed budget per batch. Total effort in the project around 450 person months.

It will be difficult to describe the measurement / testbed facilities and equipment (channel sounders) while ensuring that the short proposal remains anonymous,

Section 3. Impact

3.1 Expected impacts listed in the work programme

Describe how your project will contribute towards the expected impacts listed in the work programme in relation to the topic or topics in question. Explain why this contribution requires a European (rather than a national or local) approach. Mention any assumptions and external factors that may determine whether the impacts will be achieved. To what extent do your objectives go beyond / are complementary to mainstream R&D directions, roadmaps, proactive Initiatives, targeted R&D programs? How will your objectives contribute to the progress of science? Is the potential high risk balanced by a potential high pay-off?

3.2 Positioning with respect to the realisation of a long term vision in the ICT domain

Your research objective must be positioned with respect to a broader vision. Your research objective should address one of the challenges that prevent the realisation of this vision. Describe the broader vision your research objective is contributing to. Position your contribution with respect to this vision. How will the achievement of your objectives permit the vision to become true?

(Maximum length for Section 1+Section 2+Section 3 – five pages)

I would like to ask Giorgio and Holger to draft this strategic stuff.
Draft should be ready on March 3, 2008.