



Minutes

The 7th MC meeting, Hotel Marjan, Split, Croatia, September 29-30, 2006

1-3. Approval of the Agenda

The local organizer represented by Dinko Begusic opens the meeting at 9:00 with a presentation on the University of Split. The Chair, Dr. Koucheryavy (TUT, Finland) welcomes all the participants and thanks Prof. Nikola Rozic of the University of Split for the excellent organization of this event.

The agenda of the 7th MCM meeting is approved as follows:

1. Welcome
2. Greetings from Chairman
3. Approval of the agenda
4. Update on the Action (delivered by the Chairman)
 - Status of the Action, signatories
 - Budget
 - STMS update
 - Other MC business
5. Report on the 2nd operational year
6. Budget for the 3rd operational year
7. Next MC meeting details
8. Discussion on the final report

This meeting is organized with the MC meeting plus sessions with totally 14 technical documents. In addition to this, two invited talks have been planned on September 29 as follows:

- Petros Belimpasakis (Nokia Research Center, Finland) "Digital Content: Driving the Evolution of Home Networks";
- Dr. Sean Murphy (University College Dublin, Ireland) "Resource Management Mechanisms for VoIP over 802.11b: Endpoint-based Admission Control and a Method for Accommodating Link Adaptations".

This 7th MC meeting is in conjunction with the SoftCOM 2006 conference (<http://www.fesb.hr/SoftCOM/2006/index.htm>) where COST 290 participants have been invited to the SoftCOM 2006 plenary session with the following speakers:

- Dr. Nim K. Cheung (President of the IEEE Communications Society) "Towards the Era of Ubiquitous Networks"
- Gordana Kovačević (President of Ericsson Nikola Tesla) Ericsson Nikola Tesla: "Following Tesla's Vision".

In addition to this, a half-a-day *Symposium on QoS in Wireless Multimedia Networks* has been organized (totally with 9 papers, including two plenary talks) in cooperation with the COST 290 Action.

4. Update on the Action

At present, 24 countries plus Russia have signed the MoU of COST 290 Action.

We had 3 MC meetings in the second operational year. This is the first MC meeting of the third year. The next MCM will be in Malaga, Spain and the subsequent MCM will be in Coimbra, Portugal.

3 STSM have been completed in the second operation year:

- From the University of Siena, Italy, to TUT, Finland, on the TCP performance in WiFi systems based on the IEEE 802.11e standard ("Optimization of the Transport Layer Performance in a Wireless System based on the IEEE 802.11e Standard");
- From TUT, Finland, to INRIA, France, dealing with TCP modeling and scalable multicast ("TCP NewReno Modeling and Design of Scaleable Multicast Feedback Mechanism");
- From the University of Limerick to State St. Petersburg University of Telecommunications (Russia), dealing with Internet Tomography Measurement System (ITMS)s.

An STSM has been approved to be carried out in the next months. This is like a 'double' STSM (period: October 2006 - January 2007) to give more time to the participant (Thomas Bohnert, University Coimbra, Portugal) to carry on research at TUT-Finland, dealing with a nonparametric approach for measurement-based admission control.

All the information about the approved STSMs is on the COST 290 Web site, page "STSM @ cost290.org"; see the snapshot below.

[News](#)
[Meetings](#)
[Participants](#)
[MC members](#)
[Signatories](#)
[Working Groups](#)


[Technical Docs](#)
[STSM](#)
[Final Report](#)
[Internal](#)


[Motivation](#)
[Main Objectives](#)
[Programme](#)
[Dissemination](#)
[MoU \(pdf\)](#)

[Related Actions](#)
[Related Projects](#)

[PR](#)
[Jobs@COST290](#)

[Contacts](#)
[Join us!](#)





STSM: Short Term Scientific Missions

STSM evaluatoin board

1. Dr. Giovanni Giambene, University of Siena, Italy (Chair)
2. Prof. Pascal Lorenz, University of Haute Alsace, France
3. Prof. Saverio Mascolo, University of Bari, Italy
4. Prof. Vasilios Siris, University of Crete/FORTH, Greece
5. Manuel Alvarez-Campana, Polytechnic University of Madrid, Spain

List of STSMs with related documents

STSM number	Visitor and Title	Host	Report	Evaluation
STSM(05)001	Orlando Cabral (Univ. of Beira Interior, Portugal)	University of Cyprus, Cyprus	pdf	pdf
	Enhanced UMTS Cost / Revenue Optimization in Offices Scenarios			
STSM(06)002	Ivano Alocci (University of Siena, Italy)	Tampere University of Technology, Finland	pdf	pdf
	Optimization of the Transport Layer Performance in a Wireless System based on the IEEE 802.11e Standard			
STSM(06)003	Roman Dunaytsev (Tampere University of Technology, Finland)	INRIA, France	pdf	pdf
	TCP NewReno Modeling and Design of Scaleable Multicast Feedback Mechanism			
STSM(06)004	Ivan Ganchev (University of Limerick, Ireland)	State St.Petersburg University of Telecommunications, Russia	pdf	pdf
	Internet Tomography Measurement System (ITMS)			
STSM(06)005	Thomas Bohnert (University of Coimbra, Portugal)	Tampere University of Technology, Finland	pdf	pdf
	A Nonparametric Approach for Measurement Based Admission Control			

5 Budget: report on the 2nd operational year

Dr. Koucheryavy described the budget situation for the second operational year (2005-2006). The Grant Agreement for the second year is available on-line (<http://www.cost290.org/private/grantagreement/2005-2006/>). The budget assigned is 131,124 €. The final financial report for the second operational year is available at <http://www.cost290.org/private/COST-Office-reports/2005-2006/financial290.xls>

Budget allocation:

24,000 € for secretariat
5,000 € + 5,000 € for a workshop
10,000 € for STSMs
87,000 € for meetings
29,000 € per meeting

Cost claims:

4th meeting in Würzburg = 19,738.58 €
5th meeting in Delft = 21,128.67 €
6th meeting in Berne = 22,017.28 €
Previous years delayed claims = 1,426.11 €
WWIC 2006 = 5,000 €
3 STSMs = 5,465.75 €

The total cost claims for the second operational year are equal to 98,776.39 € (the total allocation being 131,124 €) so that we gave back around 32,347 € to ESF. However, this has not influenced the allocated budget to COST 290 for the third operational year.

The progress annual report (second operational year) has been submitted on June 2006 to ESF. It is available at the following URL: <http://www.cost290.org/private/COST-Office-reports/2005-2006/290-progress-report.doc>. ESF COST TC Rapporteur, Ivar Jardar Aasen, stated that “the action is going very well and producing”. The review meeting will take place on November 21 at Helsinki, Finland, during the IST Summit.

6. Budget for the 3rd operational year

COST 290 Action has been granted with 136,850 € for the third operational year (period 2006-2007) for

- 3 MC meetings
- Workshop
- STSM
- Publications
- Secretariat.

The rules for budget allocation have been explained by Dr. Koucheryavy as follows:

- Secretariat overhead is capped by 15% of actual expenses
- Maximum 5.000 € for maximum one Workshop/Seminar per annum, or double this figure if Final Meeting
- Meetings and STSM allocations were based on the number of signatory countries.

The MC may decide to shift funds between budget-lines, except secretariat overhead that is rigidly allocated.

The budget breakdown below has been proposed by ESF COST for the total allocation of 136,850 €:

- Travel costs = 103,322.50 € for 3 MCMs
- Workshop = 5,000 €
- STSMs = 5,000 €
- Publications = 3,000 €
- Secretariat = 20,527.50 €

COST 290 has received a good budget. This is the reason why it is important to discuss how to exploit it in the best way. Dr. Koucheryavy showed a proposal made by Dr. Giambene (University of Siena) concerning the possibility that COST 290 provides student travel grants for PhD students and young researchers attending and presenting papers at WWIC 2007. This idea has been approved by ESF COST. The MC has voted and approved this new tool to support research within COST 290. The next step will be to define how much and how many grants will be made available. It has been also approved the COST 290 support of 5,000 € for WWIC 2007 (i.e., the COST 290 workshop). Moreover, a budget of 5,000 € has been agreed for speakers invited to WWIC 2007.

COST 290 travel cost reimbursements for MCM attendance are based exactly on ESF COST Reimbursement rules. ESF rules have some novelties; this is the reason why Dr. Koucheryavy has provided a short survey of them:

Traveling

- *Air tickets*: Economical fare, up to 1,200 €
- *Train/bus or long-distance bus*: Most economical route by first-class rail or bus
- *Private/rented car* (paid only to responsible person, Not more than 2,000 km mileage): 0.20 € per kilometer (no fuel, toll, ferry, parking) for one person traveling alone; 0.30 € per kilometer (no fuel, toll, ferry, parking) for two and more persons traveling
- *Local transportation expenses*: Up to 25 € in total without receipts, if more, receipts are required.
- *Taxi fares*: Only if no reasonable public transportation is available. The receipt is always required. If more than 40 €, an explicit justification is needed.
- Costs of health, life and luggage insurance are not reimbursed.
- *Cancellation* insurance will only be reimbursed for non-changeable low cost tickets or similar not changeable tariffs.

Accommodation

- Room and breakfast on a base of a fixed rate 110 € per night.
- Maximum one night before and after the meeting. If more days are claimed, explanation has to be provided under "Other/remarks" field in the reimbursement form.

Meals

- Lunch (including coffee breaks) and dinner expenses are reimbursed on a fixed rate 20 € each.

7. Next MC meeting details

The 7th MCM will be organized in Malaga on February 2007 (the exact date will be defined via email vote). This meeting is organized by Prof. M. Carmen Aguayo-Torres (University of Malaga, Spain). Low-cost flights are available with the main cities in Europe. There are low-cost hotels in the city center, with a bus trip of 30 minutes. The winter is quite mild, typically with 5 degrees over 0.

The 8th MCM will be organized in conjunction with WWIC 2007 in Coimbra, Portugal (<http://wwic2007.dei.uc.pt/>) May 23-25, 2007. The COST MCM will be in May 22, 2007 with the plenary session of WWIC 2007 on May 23 open to COST 290 attendees.

8. Discussion on the final report

Dr. Koucheryavy showed the COST 290 structure in Working Groups (WGs) with related WG Chairmen.

Working Group 1: “Traffic Engineering” - Chairman: Prof. Dirk Staehle

- Traffic characterization and modeling
- Mapping of QoS classes and SLA/SLS
- Resource management and QoS provision
- Congestion control
- Cross-layer design
- Transport protocols over wireless
- MAC
- Performance evaluation

Working Group 2: “Mobility and interoperability” - Chairman: Prof. Francisco Barcelo

- Mobility characterization
- Location awareness
- Handover techniques
- IP mobility protocols
- Interworking between different access technologies
- QoS and mobility [signaling, routing, etc.]
- Privacy and security

Working Group 3: “Network architecture and planning” - Chairman: Prof. Torsten Braun

- Network planning
- Capacity dimensioning
- Evolution of network architecture
- Self organization
- Service architectures
- Over-dimensioning and resilience

Working Group 4: “Services, regulations, and economic aspects” - Chairman: Prof. Vasilios Siris

- Economics and regulation
- New techno-business models, novel pricing and billing mechanisms
- Self-regulated wireless use
- Optimization based in cost/revenues aspects
- Charging and accounting
- Applications requirements and scenarios

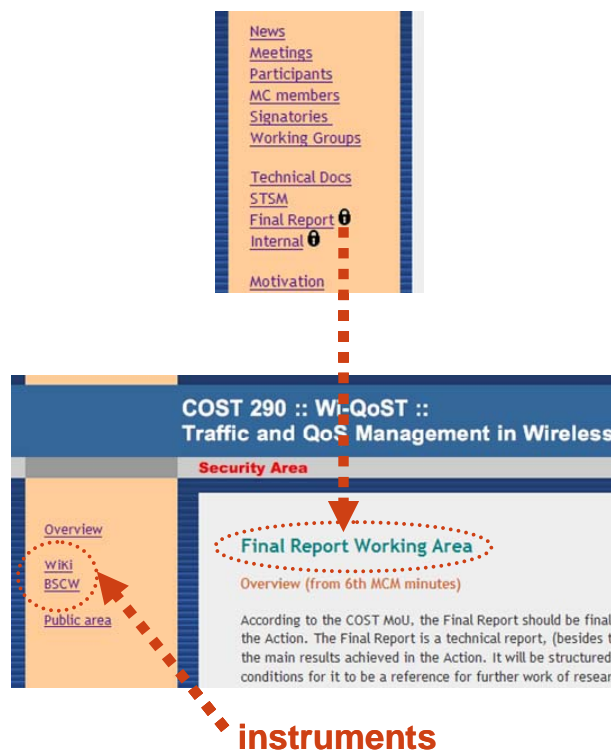
The Final Report is a technical report that will contain the main results achieved in the Action. It will be structured as a book, thus creating conditions for it to be a reference for further work of researchers.

The book structure will be WG-based, but some WGs will be organized in more chapters.

As a first step, Dr. Koucheryavy has collected on-line the missing electronic versions of TDs, but this is not an easy task. Anyway, good results have been achieved:

- 2004, 8 TDs obtained out of 10 missing TDs.
- 2005, 37 TDs obtained out of 51 missing TDs (2 were just presentations)
- 2006 (before 7th MCM), 22 TDs obtained out of 38 missing TDs (1 was just a presentation).

Then, an open bottom-up on-line tool has been organized for contributions: a Wiki page is used to describe the book structure and for links to book contents (TDs, chapters text); moreover, BSCW is used to store TDs and chapters text and for versioning issues. The Wiki and the BSCW tools are accessible via the COST 290 Web page with a suitable password, as shown in the snapshot below.



The next steps for the Final Report are as follows:

1. WG chairs: identification of sub-WGs and Chapter structure;
2. Presentation at 8th MCM of the book Table of Contents on the basis of the proposals made by the WG leaders.

Finally, some remarks made by Prof. Torsten Braun and concerning WG 3 TDs have been presented by Dr. Koucheryavy with reference to the above list of topics of WG 3:

- Topic "Network planning" might also fit to WG 1 or 2;
- There might be some TDs of WG 4 that could be merged into "Evolution of network architecture";
- Topic "Service architectures" could be split;
- Topic "Over-dimensioning and resilience" could be merged with some TDs on "Network planning" and "Capacity dimensioning".

9. Close of the meeting

The 7th MC meeting has been closed by Dr. Koucheryavy on September 30 at 10:30, thanking all the participants and giving the possibility to attend the SoftCOM 2006 plenary session.

Reimbursement forms should be sent by mail to Dr. Yevgeni Koucheryavy:

Dr. Yevgeni Koucheryavy
Institute of Communication Engineering
Tampere University of Technology
P.O.Box 553
FIN-33101
Tampere, FINLAND
e-mail: yk@cs.tut.fi

These minutes have been written by Dr. Giovanni Giambene (University of Siena, Italy).

List of delegates, COST 290 7th MCM, September 29-30, 2006, Hotel Marjan, Split, Croatia, September 29-30, 2006.

	Name	Country	Organization	MC	Presentation title
1	Michal Ries (subs. Ilka Miloucheva)	Austria	INTHFT – TU Wien	X	TD(06)047: Content Based Video Quality Estimation
2	Ulla Birnbacher	Austria	Graz University of Technology	X	
3	Seferin Mirtchev	Bulgaria	Technical University of Sofia	X	
4	Stoyan Poryazov	Bulgaria	IMI-BAS	X	

5	Nikola Rozic	Croatia	University of Split	X	
6	Mario Cagalj (subs. Dinko Begusic)	Croatia	FESB	X	TD(06)053: Selfish Behavior in CSMA/CA Networks
7	Vasos Vassiliou (subs. Andreas Pitsillides)	Cyprus	University of Cyprus	X	
8	Yevgeni Koucheryavy	Finland	Tampere Univ. of Technology	X	
9	Roman Dunaytsev (subs. J.Harju)	Finland	Tampere Univ. of Technology	X	
10	Petros Belimpasakis	Finland	NOKIA		
11	Mr. Kettaf (subs. Pascal Lorenz)	France	University of Haute Alsace	X	TD(06)043: A cross layer optimization for ACOR
12	Dirk Staehle (subs. P. Tran-Gia)	Germany	University of Würzburg	X	
13	Marc Necker	Germany	University of Stuttgart		TD(06)046: Global Interference Coordination in 802.16e Networks
14	Paul Flynn (subs. M.O'Droma)	Ireland	University of Limerick	X	TD(06)054: Service Advertisement, Discovery and Association over Wireless Billboard Channels in future UCWW
15	Sean Murphy	Ireland	University College Dublin		
16	Giovanni Giambene	Italy	Univ. of Siena	X	
17	Saverio Mascolo	Italy	Politecnico di Bari	X	
18	Geert Heijenk (subs. Remco Litjens)	The Netherlands	University of Twente	X	TD(06)052: Scheduling in the UMTS enhanced uplink
19	Jan De Jongh (subs. Hans van der Berg)	The Netherlands	TNO ICT	X	TD(06)041: Evaluating Transmit Power Control In Ad Hoc Networks Through Simulation And Channel Emulation
20	Orlando Cabral (subs. Fernando Velez)	Portugal	University of Beira Interior	X	TD(06)045: Urban Cellular Planning Optimisation of Multi-service Enhanced UMTS Based in Economic Issues
21	Thomas Bohnert (subs. Edmundao Monteiro)	Portugal	University of Coimbra	X	

22	Virgil Dobrota	Romania	Technical University of Cluj-Napoca	X	
23	Alexandru Bikfalvi	Romania	Technical University of Cluj-Napoca		TD(06)050: The Management Infrastructure of a Network Measurement System for QoS Parameters
24	Vladimir Efimushkin	Russia	R&D ZNIIS	X	
25	Vadim Opeskine	Malta	ICM	X	
26	Tomaž Javornik (subs. G. Kanduz)	Slovenia	Jozef Stefan Institute	X	TD(06)048: Comparison of WiMAX coverage at 450MHz
27	Alberto Hernandez (subs. M. Alvarez-Campana)	Spain	UPM	X	
28	Francisco Barcelo	Spain	UPC	X	
29	M. Carmen Aguayo-Torres	Spain	University of Malaga		
30	Cristian Morariu (subs. B.Stiller)	Switzerland	Univ. of Zuerich	X	TD(06)042: An Integrated Accounting and Charging Architecture for Mobile Grids
31	Thomas Staub (subs. Torsten Braun)	Switzerland	University of Bern	X	TD(06)051: Multipath Routing in Wireless Mesh Networks
32	Andreas Kassler	Sweden	Karlstad University	X	
33	Maria Kihl	Sweden	Lund University	X	TD(06)049: User-perceived performance in VANETs