



Agenda and list of participants for the 8th COST 290 meeting

**Wi-QoS: Traffic and QoS Management in
Wireless Multimedia Networks**

**ETSI Telecomunicación/ University of Malaga
Malaga, Spain
February 15 – 16, 2007**

ETSI Telecomunicacion, Campus de Teatinos**Thursday, February 15, 9:00 – 11:15. Management Committee meeting.**

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. Budget for the 3rd operational year
6. 9th MC meeting details and WWIC 2007 info
 - Prof. Fernando Boavida (Univ. of Coimbra, Portugal), 10 min
7. 10th MC meeting hosting proposals
 - Michal Ries (Viena Univ. of Technology, Austria), 5 min
 - Prof. Khalid Al-Begain (Univ. of Glamorgan, UK), 5 min
 - Thomas Fichtel (Salzburg Research, Austria), 5 min
8. ESF COST information
 - Gabriela Cristea (ESF COST Office, Brussels, Belgium), 15 min
9. Presentation of the COST 298 Action
 - Bartolomeo Sapio (FUB, Italy), 15 min
10. Introduction of a new participant: Aleksi Penttinen, Helsinki Univ. of Technology (Finland), 10 min
11. Proposal on creation of “COST 290 WiMAX Study Group”
 - Thomas Bohnert (UoC, Portugal), 20 min
12. Discussion of the final report

Thursday, February 15, 11:15 – 11:25. Coffee Break**Thursday, February 15, 11:25 – 12:10.**

Invited presentation

Prof. G.S. Kuo (Beijing Univ. of Posts and Telecommunications, China) *IEEE 802.16e QoS*

Thursday, February 15, 12:10 – 13:00.

Technical Session 1: WiMAX

Marc Necker: *Local Interference Coordination in 802.16e Networks*, TD(07)008

Fernando Velez: *Cellular Planning of an IEEE 802.16 Wireless Metropolitan Area Network*, TD(06)017

Thursday, February 15, 13:00 – 14:00. Lunch

Thursday, February 15, 14:00 – 15:40.

Technical Session 2: 3/4G

Dirk Staehle: *An HSPDA Long-term Bandwidth Model*, TD(07)001

Khalid Al-Begain: *IMS based Next Generation Mobile Service Creation Facility – The Glamorgan experiment*, TD(07)011

Zigmund Orlov: *Improvement of Video Streaming QoS by Application-aware Queue Management in UMTS/HSDPA networks*, TD(07)012

Technical Session 3: HAP

Gorazd Kanduz: *Channel Decoder Assisted Adaptive Coding and Modulation for HAP Communications*, TD(07)019

Thursday, February 15, 15:40 – 15:55. Coffee Break

Thursday, February 15, 15:55 – 17:35.

Technical Session 4: TCP

Roman Dunaytsev: *An Analytical Comparison of the Slow-but-Steady and Impatient Variants of TCP NewReno*, TD(07)006

Michael Scharf: *Quick-Start TCP: Performance Evaluation and Open Issues*, TD(07)013

Technical Session 5: Analytical Studies

Seferin Mirtchev: *Study of Queueing System with State Dependant Mean Service Time*, TD(07)007

Hans van den Berg: *Fluid flow performance modeling of a relay node in an IEEE 802.11 ad-hoc network*, TD(07)016

Thursday, February 15, 17:45 – 20:30.

WWIC 2007 TPC meeting

Thursday, February 15, 20:30 –

Dinner organized by host

ETSI Telecomunicacion, Campus de Teatinos

Friday, February 16, 09:00 – 9:45.

Invited presentation

Dr. Pablo Ameigeiras (University of Granada, Spain) *Performance of Streaming Services over HSDPA*

Friday, February 16, 9:45 – 10:00. Coffee Break

Friday, February 16, 10:00 – 11:15.

Technical Session 6: WLAN, ad hoc and mesh

Vasilios Siris: *Resource Control for the EDCA Mechanism in Multi-Rate IEEE 802.11e*, TD(07)004

Fatiha Tolba: *Mobility management and energy preserve in wireless ad hoc networks*, TD(07)002

Torsten Braun: *Secure Remote Management and Software Distribution for Wireless Mesh Networks*, TD(07)003

Friday, February 16, 11:15 – 12:05.

Technical Session 7: Admission Control

Thomas Bohnert: *Non-Parametric and Self-Tuning Measurement-based Admission Control*, TD(07)005

Boris Bellalta: *Flow-Level evaluation of Call Admission Control schemes in WMM WLANs*, TD(07)015

Friday, February 16, 12:10 – 13:00.

Technical Session 8: QoS I

Eduard Popovici: *Coding scheme impact on the IP-QoS network utilization and voice quality*, TD(07)009

Anna Sfairopoulou: *Dynamic measurement-based codec selection for VoIP in multirate 802.11*, TD(07)018

Friday, February 16, 13:00 – 14:00. Lunch (co-located with JIE board meeting)

Friday, February 16, 14:00 – 14:50.

Technical Session 9: QoS II

Michal Ries: *Motion Based Reference-Free Quality Estimation*, TD(07)010

M. Carmen Aguayo-Torres: *Impact of transport protocols in application throughput for wireless-wired networks*, TD(07)014

Friday, February 16, 14:50 – 15:00.

Concluding remarks

Friday, February 16, 15:00 –

ERCIM WG eMobility meeting

List of delegates

	Name	Country	Organization	MC	Presentation title
1	Michal Ries	Austria	INTHFT – TU Wien		TD(07)010: Motion Based Reference-Free Quality Estimation
2	Thomas Fichtel (subs. I. Miloucheva)	Austria	Salzburg Research	X	
3	Gabriela Cristea	Belgium	ESF COST		Informational talk at MCM
4	Seferin Mirtchev	Bulgaria	Technical University of Sofia	X	TD(07)007: Study of Queueing System with State Dependant Mean Service Time
5	Nikola Rozic	Croatia	University of Split	X	
6	G.S. Kuo	China	Beijing Univ. of Posts and Telecom.		Invited talk: IEEE 802.16e QoS
7	Yevgeni Koucheryavy	Finland	Tampere Univ. of Technology	X	
8	Roman Dunaytsev (subs. J.Harju)	Finland	Tampere Univ. of Technology	X	TD(07)006: An Analytical Comparison of the Slow-but-Steady and Impatient Variants of TCP NewReno
9	Aleksi Penttinen (subs. Jorma Virtamo)	Finland	Helsinki Univ. of Technology	X	
10	Thomas Bohnert	Finland Portugal	Tampere Univ. of Technology Univ. of Coimbra		TD(07)005: Non-Parametric and Self-Tuning Measurement-based Admission Control
11	Fatiha Tolba (subs. Pascal Lorenz)	France	University of Haute Alsace	X	TD(07)002: Mobility management and energy preserve in wireless ad hoc networks
12	Dirk Staehle (subs. P. Tran-Gia)	Germany	University of Würzburg	X	TD(07)001: An HSPDA Long-term Bandwidth Model
13	Marc Necker	Germany	University of Stuttgart		TD(07)008: Local Interference Coordination in 802.16e Networks
14	Zigmund Orlov	Germany	University of Stuttgart		TD(07)012: Improvement of Video Streaming QoS by Application-aware Queue Management in UMTS/HSDPA networks
15	Michael Scharf	Germany	University of Stuttgart		TD(07)013: Quick-Start TCP: Performance Evaluation and Open Issues

16	Vasilios Siris	Greece	FORTH-ICS	X	TD(07)004: Resource Control for the EDCA Mechanism in Multi-Rate IEEE 802.11e
17	Vassilis Tsauoussidis	Greece	Democritus University	X	
18	Ivan Ganchev (subs. M.O'Droma)	Ireland	University of Limerick	X	
19	Sean Murphy	Ireland	UCD		
20	Abdelhamid Nafaa	Ireland	UCD		
21	Giovanni Giambene	Italy	Univ. Of Siena	X	
22	Saverio Mascolo	Italy	Politecnico di Bari	X	
23	Bartolomeo Sapio, COST 298	Italy	FUB		
24	Algimantas Kajackas	Lithuania	Vilnius Technical University	X	
25	Geert Heijen (subs. R. Litjens)	The Netherlands	Univ. of Twente	X	
26	Hans van den Berg	The Netherlands	TNO ICT	X	TD(07)016: Fluid flow performance modeling of a relay node in an IEEE 802.11 ad-hoc network
27	Tor K. Moseng (subs. P.J. Emstad)	Norway	NUSC	X	
28	Fernando Velez	Portugal	University of Beira Interior	X	TD(06)017: Cellular Planning of an IEEE 802.16 Wireless Metropolitan Area Network
29	Edmundo Monteiro	Portugal	University of Coimbra	X	
30	Fernando Boavida	Portugal	University of Coimbra		
31	Tudor Blaga (subs. V. Dobrota)	Romania	Technical University of Cluj-Napoca	X	
32	Eduard Popovici (subs. T. Radulescu)	Romania	University Politehnic Bucharest	X	TD(07)009: Coding scheme impact on the IP-QoS network utilization and voice quality
33	Martin Klimo	Slovakia	Univ. of Zilina	X	
34	Katarina Bachrata	Slovakia	Univ. of Zilina		
35	Gorazd Kanduz	Slovenia	Jozef Stefan Institute	X	TD(07)019: Channel Decoder Assisted Adaptive Coding and

					Modulation for HAP Communications
36	Francisco Barcelo	Spain	UPC	X	
37	Manuel Alvarez-Campana	Spain	UPM	X	
38	Pablo Ameigeiras	Spain	Univ. of Granada		Invited talk: Performance of Streaming Services over HSDPA
39	M. Carmen Aguayo-Torres	Spain	University of Malaga		TD(07)014: Impact of transport protocols in application throughput for wireless-wired networks
40	Boris Bellalta	Spain	UPF		TD(07)015: Flow-Level evaluation of Call Admission Control schemes in WMM WLANs
41	Anna Sfairopoulou	Spain	UPF		TD(07)018: Dynamic measurement-based codec selection for VoIP in multirate 802.11
42	Jesús Delicado-Martínez	Spain	UCLM		
43	Torsten Braun	Switzerland	University of Bern	X	TD(07)003: Secure Remote Management and Software Distribution for Wireless Mesh Networks
44	Burkhard Stiller	Switzerland	Univ. of Zurich	X	
45	Andreas Kessler	Sweden	Karlstad University	X	
46	Maria Kihl	Sweden	Lund University	X	
47	Khalid Al-Begain	UK	Univ. of Glamorgan	X	TD(07)011: IMS based Next Generation Mobile Service Creation Facility - The Glamorgan experiment

Invited speakers bios

Geng-Sheng (G.S.) Kuo (gskuo@ieee.org) received his Ph.D. degree in Systems Engineering from Case Western Reserve University, Cleveland, Ohio, U.S.A. in January 1983. He then worked with R&D laboratories of the communications industry in the United States, such as AT&T Bell Laboratories. In August 1990, he returned back to Taiwan and joined the Department of Information Management, Information Technology Group at National Central University, where he was a professor. From August 1, 2000, he joined National Chengchi University, Taipei, Taiwan as a professor. Since 2001, he has been invited as Chair Professor of Beijing University of Posts and Telecommunications (BUPT) in Beijing, China. His laboratory, coined "Research Center on Mobile Communications and Optical Networks," is part of National Key Laboratory on Switching and Routing. He is Director of "Research Center on Mobile Communications and Optical Networks". Currently, he has a research team of 18 Ph.D. students and 35 MS students under his guidance in BUPT. His current research interests include mobile communications, wireless communications, optical networks and IP-networks. From 1999 – 2001, he was Chair of Communications Switching & Routing Technical Committee, IEEE Communications

Society. From 2001 – 2002, he was Editor-in-Chief of IEEE Communications Magazine, whose impact factor in 2002 is 3.165. Currently, he is Area Editor for Networks Architecture of IEEE Transactions on Communications, Editor of IEEE Communications Surveys & Tutorials, Editor and ComSoc Representative to IEEE Internet Computing, Editor of Computer Networks, Editor of European Transactions on Telecommunications, Editor of Wireless Communications & Mobile Computing, and Editor of Wireless Personal Communications: An International Journal (WIRE). He was founding Editor-in-Chief of English-version *China Communications*, sponsored by China Institute of Communications and Information Industry Ministry of China, and Editor-in-Chief of English-version *The Journal of China University of Posts and Telecommunications*, sponsored by six universities on communications engineering in China. Furthermore, he was ComSoc Representative to IEEE NanoTechnology Council from 2002 to 2003, Co-Vice Director of Asia Pacific Board of ComSoc from 2004 to 2005, a member of Award Committee for ComSoc from 2003 to 2005. He was a member of New Technology Direction Committee (NTDC) for IEEE Technical Activity Board (TAB) and a member of ComSoc Certification Research Advisory Board. And, he was a member of Advisory Committee for Euro-NGI (Next-Generation Internet) Project. In addition, he has been the chair or vice-chair of TPC for many IEEE international conferences, symposia and workshops, e.g., ICC 2000, Globecom 2002, IPOM 2004. He has published over 100 technical papers in the refereed international journals and conferences.

Pablo Ameigeiras received his M.Sc.E.E. degree in 1999 by the University of Malaga, Spain. He carried his Master Thesis at the Chair of Communication Networks, Aachen University (Germany) in the field of Random Access Mechanisms for Packet Services in UMTS. In 2000, he joined the Cellular System group at the Aalborg University (Denmark) where he carried out his Ph.D. thesis on Radio Resource Management and Quality of Service for packet services in HSDPA. After finishing his Ph.D., Pablo worked in Optimi Corporation investigating radio planning and optimization techniques for 3G networks. He recently joined the Department of Signal Theory, Telematics, and Communications at the University of Granada. His research interests include radio resource management and network performance for 3G and evolution.