



C O S T 290
W I M A X Study Group
Progress Report

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- Roadmap set in Coimbra, 9th MCM
 - 1st BWA Workshop co-located with NGMAT 2007
 - 2 IEEE BWA Workshop co-located with IEEE CCNC 2008
 - Ongoing Research
 - Work Objectives

- WSG organised and held the 1st Broadband Wireless Access Workshop, Sept. 2007, Cardiff, UK
 - Cooperation between University Cardiff and University of Coimbra
- WSG has contribute one invited paper (Dirk Staehle, University of Wuerzburg)
- Key note speaker is Max Riegel, NSN, Co-Chair of the WiMAX Forum NWG
- Statistics:
 - 29 papers submitted, 4 invited contributions, AR 30%, mostly Europe and Asia
- Misc: Further cooperation set up with M. Riegel/NSN

- 2nd IEEE Broadband Wireless Access Workshop, co-located with IEEE CCNC 2008, Jan. 2007, Las Vegas
- Paper submission, reviewing and author notification completed
- COST290 contributes one invited paper (Y. Koucheryavy, TUT)
- Key note speaker is K.-D. Kohrt, NSN, Co-Chair of the UMTS
- Statistics: 30 papers submitted, 4 invited contributions, AR 28%, Europe, Asia and USA
- <http://ieee-bwaws.nginet.de>

- Joint 14-day STSM at TUT in Tampere, Finland
- Dirk Staehle and T. M. Bohnert
- Resource Management for 802.16 based on QoE/Speech Quality/VoIP
- T. M. Bohnert, D. Staehle, G.S. Kuo, Y. Koucheryavy, E. Monteiro, "Speech Quality Aware Downlink Admission Control for Fixed IEEE 802.16 Wireless MAN", submitted to ICC 2008, Beijing, China, May 2008
- Second paper is in the works and focused on scheduling in the context of speech quality and 802.16e

- Paper submitted to NEW2AN „On Evaluating a WiMAX Access Network for Isolated Research and Data Networks using NS-2“ was ranked top-five and inidacted to IEEE Journal of Communication Software and Systems (JCOMSS)
- Joint work between IST FP6 „WEIRD“ and COST290
- Further joint work WSG, VTT HKI and North Carolina State University, USA
 - G. S. Paschos, M. Devetsikiotis, T. M. Bohnert, „Power Saving Mechanisms in 802.16/802.16e“, Book Chaper in „WiMAX Network Planning and Optimization“, Auerbach Publications, CRC Press

Work Objectives

- Proposal for the 3rd edition of the workshop has been submitted to IEEE ICC 2008, Beijing, China, May 2008
- What could be the next work objective?
 - Call for proposals
- Proposal #1
 - Joint paper (invited to 3rd IEEE BWA)
 - Who is interested?
 - Subject, details and lead author V. Siris (?)

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- Questions?

Thanks!