

The 32 European Conference on Optical Communications (ECOC) was held on September 24-28, 2006 at the "Palais des Festivals et des Congrès" in Cannes, France. The conference attracted some 1200 attendees and is the largest in Europe and one of the largest world-wide events in the area of optical communication. The IST project MUPBED was strongly represented at the conference including a regular paper, an invited presentation at an ECOC workshop and posters and demonstrations at the booth of the conference exhibition.

A regular paper submission by MUPBED authors was accepted as a poster. A group of MUPBED authors from Deutsche Telekom, Telecom Italia, Ericsson, and Marconi contributed with the paper "Interworking achievements in a pan-European ASON/GMPLS multi-domain and multi-layer test network". This paper provides information on interworking issues occurring if today's ASON/GMPLS solutions are applied to a multi-domain network scenario, which is expected to be the standard scenario for any big carrier's network as well as for research networks.



*Fig. 1. The ECOC 2006 conference venue.*



*Fig. 2. MUPBED poster at ECOC 2006 visited by Greek colleagues.*

MUPBED also participated at the workshop "ASON/GMPLS Implementations in Field Trials and Carrier Networks" chaired (jointly with Verizon) by a MUPBED representative Hans-Martin Foisel from T-Systems. At this workshop, Jan Spaeth from Ericsson presented an invited paper "MUPBED - On-Demand Services in a European Scale ASON/GMPLS Multi-Domain and Multi-Layer Test Network". The contribution covered both theoretical concepts as well as a practical field-trial implementation of leading-edge control plane technologies.

At the conference exhibition, MUPBED was represented at the IST/EPhotonOne booth with a poster, Power Point presentation and a number of live control plane demonstrations. The Power Point presentation was prepared jointly with the GEANT2/JRA3 project giving also a possibility to demonstrate connections between the two projects. The demonstrations included the live topology of the MUPBED network using the Clear Pond software (showing the Ethernet soft-permanent connection Telecom Italia-Deutsche Telekom, the Ethernet Switched Connection PSNC- Deutsche Telekom, and the SDH Switched Connection at Deutsche Telekom) as well as the live demonstration of the ASTN manager (accessed remotely via VNC). A snapshot of the Clear Pond connections during the conference is shown in Fig. 3, where SC, SPC, CP and DP stand for the switched connection, soft permanent connection, control plane and data plane, respectively. The demonstrations were supported by the web-cameras at the testbed sites.

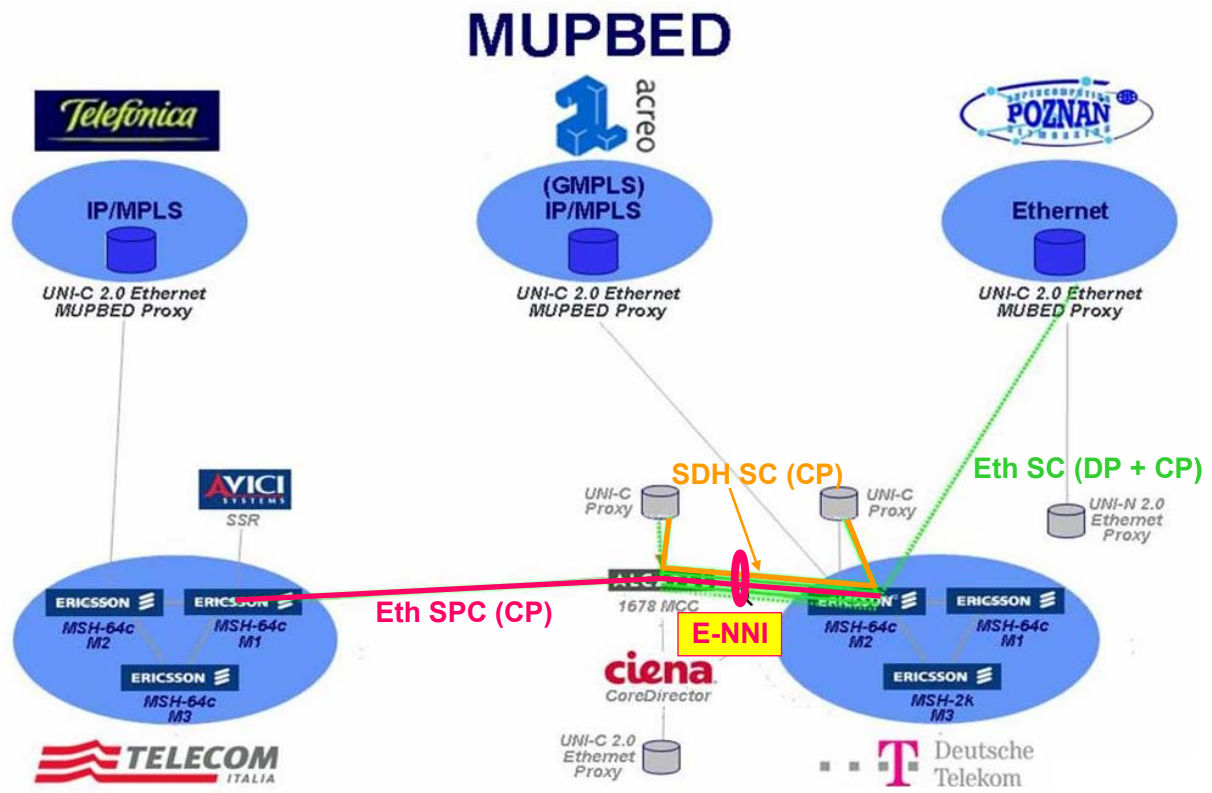


Fig. 3. A snapshot of the live topology during the conference.

Also, some working moments from the booth at the exhibition are shown in Figs. 3-6 below.



Fig. 4. Hans-Martin Foisel from T-Systems welcomes a visitor.

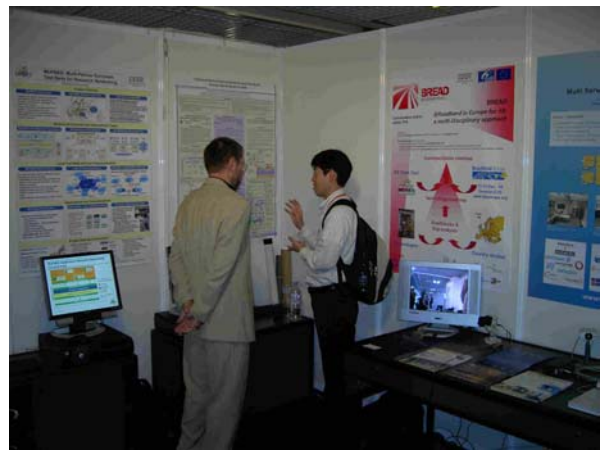


Fig. 5. The discussion continues by the MUPBED-GEANT2/JRA3 poster



*Fig. 6. Mikhail Popov from Acreo and Helmut Griesser from Ericsson-Germany are on alert for new visitors.*



*Fig. 7. Nice poster, MUPBED control plane topology on the screen and friendly attitude – key factors for a successful exhibition.*