Two software demos

David Deléam, France Telecom R&D

eConf : This France Telecom product is a videoconferencing software over IP fully compatible with H.323 and SIP protocols. Consequently it interoperates with the main currently available videoconferencing terminals. A version based on H.324M protocol has been developed for 3G mobile networks. eConf includes several Audio and Video Codecs. It also implements audio and video processing algorithms to deal with packet loss and jitters problems related to IP networks. The audio quality is preserved for up to 10% packet loss ratios. A purely software Acoustic Echo canceller enables a hands-free use. econf runs over all Windows Operating System.

COMIP: ComIP is a voice chat (audio conferencing over IP) system developed by France Telecom. It's based on client-server architecture. Due to a proprietary protocol, the server performs no signal processing. So one server on a single PC can manage thousands of concurrent accesses. This is a significant advantage with respects to classical MCU, which are rapidly limited by CPU needed for decoding, mixing and re-encoding. ComIP includes mechanisms to deal with Firewall and NAT problem and audio processing algorithms to correct with packet loss and jitters defaults. By using a scalable codec, ComIP can offer the best possible quality whatever the network access is.