

Fourth Hungarian WDM Workshop

The conference called Fourth Hungarian WDM Workshop, attracting more than 100 participants, was organized by Magyar Telekom on March 1 2005 in Tölösi Conference Center with the efficient contribution of the Scientific Association for Infocommunications (HTE) and two departments of Budapest University of Technology and Economics (BME).

In his opening speech Attila Koós, Director of Magyar Telekom-PKI emphasized that during the last decade WDM (Wavelength Division Multiplexing) systems became the basic components of telecommunications networks. The tried and tested technology, however, develops rapidly relying on the results achieved in the frame of research efforts in physics. „In this area the world is advancing towards purely photonic solutions” – said Attila Koós who also stated, based on the latest international physical result (physicists succeeded in „stopping” the light for 1-2 msec by way of experiment), that using „light accumulators” of commercial construction the problem of switching elements in optical communications could be solved within 1 or 2 years.

The invited lecturers reported on development trends, technology solutions and new network applications. The topics discussed at the conference were not restricted to WDM technology in the narrower sense of the word, touching also upon IP/optical integration determining the latest period of optical communications as well as upon the telecommunications related results of photonics. The conference held in English was attended mainly by telecommunications and IT experts as well as managers whose work is connected with some form of information transfer via optical fiber. In total 15 lectures organized in 4 thematic blocks were delivered: trends in optical networking (4 lectures), network solutions (3), transport systems and networks (4), Hungarian research results (4).