P35: Telenor ASA (Norway)

Description of expertise & activities

Telenor Research and Innovation (R&I) is one of Norway's largest research and innovation organisations within ICT (Information and Communication Technology). Our results help the Telenor Group stay at the forefront of its chosen areas. The R&I division collaborates extensively with leading research establishments nationally and internationally. Our research comprises business models, user studies and future communication networks and services together with applications in various market arenas. R&I is a driving force in finding and cultivating good ideas and in creating value by commercialising existing knowledge and skills in Telenor and its affiliates, either inside the group or outside the current scope of the business units.

Telenor R&I has been active in a large number of activities related to optical networking, such as high capacity optical transmission studies and experiments, optical signal processing and Raman amplification, optical packet and burst switching, optical protection and restoration schemes, management and control of optical networks, re-configurable optical network design studies, broadband access technologies, planning strategies and migration scenarios for core, metro and access optical networks. Telenor R&I has participated among others in the following European projects in optical networking: ACTS-BLISS, ACTS-OPEN, ACTS-MEPHISTO, IST-DAVID, IST-STOLAS, IST-TORRENT, COST 239, COST 266, IST-NOBEL, NoE e-Photon/ONe, and many EURESCOM projects.

Tasks within BONE

See individual WP descriptions.

Key personnel

Evi Zouganeli is a senior research scientist at Telenor R&I. She has been active in the field since 1987, obtained her PhD in Optoelectronics in ´92 (UCL, UK) and has subsequently worked with high capacity transmission, design of optical networks, optical switching, and network and control architectures. She has been engaged in a large number of European research projects. Her current interests include technology strategy, optical access networks, and migration towards next generation metro and core networks.

Martin Nord (Ph.D. Technical University of Denmark 2005, M.Sc. University of Essex 2000) started working as a research scientist for Telenor R&I in 2000. His research on optical networks covers both physical realisation (switching, processing and transmission) and logical performance (contention resolution, quality of service differentiation and fairness) aspects. Ongoing research within Telenor R&I targets future broadband network architectures, including access- and broadcast networks.

Torodd Olsen is a research scientist at Telenor R&I and has been working in the field of optical communications since 1986, which includes participation in several projects of the EU funded ACTS and IST programme.