P40: Huawei Technologies Sweden AB - Huawei (Sweden)

Description of expertise & activities

Huawei is a leading player in the global telecoms market. The company has built up product portfolios including mobile networks, broadband networks, IP-based, optical networks, telecom value-added services and terminals. Huawei first entered Europe in 2000 and its presence in the region has been steadily growing and it now has branch offices in 26 European countries.

Huawei Technologies Sweden AB (HWSE) was set up in early 2001. HWSE is the strategic R&D branch of Huawei Technologies Co., Ltd. Researchers in HWSE are engaged in activities as applied research, system design and standardization for telecom systems and enabling technologies. As Huawei's key visions are to provide innovative products and solutions to create long term value and potential growth for its customers, HWSE actively commits itself to long term research and cooperate with other European research institutes and universities.

Tasks within BONE

WP11	Network and Node Architectures in Metro and Core
WP14	New switching paradigms, novel switch architectures
WP15	100Gb/s;optical/electrical mitigation; Optical performance monitoring
WP21	Service aware optical network architectures
WP26	Multi-layer networking with cross-layer optimization
WP27	Physical Impairments constrain based routing in packet switching networks

Key personnel

Angel Molina is with the EU R&D branch of the Advanced Technologies Department of Huawei Technologies in Düsseldorf, Germany. He received the "Ingeniero de Telecomunicación" degree from the Universidad Politécnica de Valencia (Spain) in 1996 and has been active as a Systems Architect for transport networking systems spanning TDM, DWDM and packet switching technologies over the years. His current interests include all aspects of next-generation transport networking technologies. Mr. Molina is a long-time contributor to the standardization activities at ITU-T SG15 and serves currently as an editor of several ITU-T Recommendations in the field of transport networking.

Cai Tao is with the EU R&D branch of the Advanced Technologies Department of Huawei Technologies in Dusseldorf, Germany. He graduated from the Nanjing University of Aeronautic and Astronautics (P.R. China) in 1998. His main research interests are packet transport network, Optical switch Networks, Intelligence optimization techniques.

Chen Ming is with the EU R&D branch of the Advanced Technologies Department of Huawei Technologies in Düsseldorf, Germany. He received the master degree from the University of Science and Technology of China in 1999 and has been working in the telecommunications industry for 8 years. His experience encompasses the architectural and design aspects design of EDFA, ROADM subsystem and the Metro WDM, OTN and PXC equipments. Mr. Chen is a contributor to standards development at ITU-T SG15 in the field of physical layer. His current interests include the DWDM transmission system and the optical switching networking architecture. Mr. Chen is a member of the IEEE.

Lixiang (Eric), is with the EU R&D branch of the Advanced Technologies Department of Huawei Technologies in Düsseldorf, Germany. He graduated from Xi'an Institute of Technology (P.R. China) in 1993. He involved in ATM, SDH, OTN, Ethernet, IP/MPLS and GMPLS for more than 6 years. His current interests are packet transport networks, network control and network convergence.