



## ***P28: Superior Institute of Communication and Information Technologies – ISCOM (Italy)***

### **Description of expertise & activities**

ISCOM – Italian Communication Ministry

Website: <http://www.iscom.istsupcti.it>

Description: ISCOM is a research and technical body of the Italian Communication Ministry whose aim is a deeply involvement in the area of standardization, research and services applications in the field of Telecommunications and Information Technologies. ISCOM offers a technical support not only for the Italian Communication Ministry but also for the Italian Communication Authority, public Administrations. ISCOM has been involved in several European projects and actions such as: COST 218, COST 246 , COST 270, COST 291, ACTS-ESTHER Project, IST ATLAS Project and NoE e-Photon/ONe+. ISCOM is member of ITU, IEC, ETSI etc. Optical communications activity: theoretical and experimental investigation on high bit rate WDM systems, experiments on wavelength conversion and optical 3R regeneration, lumped and distributed amplification studies, investigation and realization of broad band Passive Optical Networks (PON).

### **Tasks within BONE**

See individual WP descriptions.

### **Key personnel**

**Franco Curti:** Research engineer with ITT-FACE Standard 1977-1985. From 1985 research scientist at Fondazione Ugo Bordoni. Teaching (from 1990): Optoelectronics postgraduate Course of Defence Ministry on behalf of CNR. Experimental activity on PMD in optical fibre and coherent systems based on ASPSK, optical parametric preamplification, non linear effects, 2R -3R optical fibre regenerators. Joined ISCOM in 2006. Participation to National and EU funded projects.

**Giorgio Maria Tosi Beleffi:** From 2001 to 2006 research scientist at Fondazione Ugo Bordoni. Research activity on 3R Regeneration, reconfigurable optical circuits, optical clock recovery, and Hybrid Amplification. Joined ISCOM in 2006. PhD in 2006 in Telecommunications and Microelectronics Engineering. Participation to National and EU funded projects.

**Michele Guglielmucci:** from 1978 to 1984 worked at the ASST in planning and testing of TLC Exchange Power Plants. In 1985 joined ISCOM as head of Optical Fibres & Cables Department. Since 1987 member of IEC 86A and ITUT SG.6. Participation to National and EU funded projects.

**Davide Forin** graduated in Electronic Engineering. Researcher at Fondazione Ugo Bordoni in 2005. From 2006 PhD student in the framework of agreement between ISCOM and Tor vergata University.