

**Prof. Mario Martinelli** is Full Professor in Optical Communications at Politecnico di Milano, OSA Fellow and ordinary member of the Accademia Virgiliana. He received the Laurea Degree in Nuclear-Electronics Engineering from Politecnico di Milano in 1976. In 1997 he joined the Quantum Electronics Division of CISE Laboratories in Segrate (Milano). Since 1980 he started new research activities regarding the optical fibers which led him to the position of Director of the Coherent Optics Sect. In 1981 he was Visiting Researcher at the London University College (UK). In 1992, he was appointed Professor of Optical Communications by Politecnico di Milano, where he activated the first Italian related course.

In 1995 he participated to the foundation of CoreCom, a Research Consortium between Politecnico di Milano and Pirelli Cables and Systems established to develop advanced researches in Optical Processing and Photonic Switching. He remains the CoreCom Director from the foundation until the expiration of the Consortium, that occurred in the 2008. In the 2009 he founded PoliCom, the new lab full owned by Politecnico di Milano that recovered the CoreCom mission.

In the 2004 the Optical Society of America elected him Fellow of the Society for *the contributes given in the domain of the optical communications, of the optical fiber sensors and the discovery of the Faraday Mirror effect.*

In the 2014 founded the spin-off Cohaerentia. In the 2015 he was elected Ordinary Member of the *Accademia Virgiliana.*

He is author of more than 180 scientific papers on the most important Journals and of more than 200 communications presented at International Congresses. He is also author of more than 45 International Patents.

He is Vice-President of CORIFI (the Italian Technology Platform for Photonics) and member of the GTTI board (Italian Group for the Information and Telecom Technologies).