

Talk's title: " **Photonics Integrated Circuits: now, next, limits**"



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**Professor Andrea Melloni:** OSA Fellow, he is Full Professor at Politecnico di Milano - where he leads the group of Photonic Devices. With a background in microwaves, his field of research is in the analysis, design, characterization and exploitation of passive integrated optical devices for telecom and sensing. He has been one of the pioneers of the slow light concept and its exploitation in the linear and nonlinear domain. He is currently contributing to define the new schemes of generic photonic foundries in Europe. In 2008 he founded the company Filarete, for the development Aspic, the first circuit simulator for integrated optical circuits (<http://www.aspicdesign.com>).

He holds 13 international patents in the field of integrated optics and components and is author of over 90 publications on the major international journals.