Gianluca Montenegro achieved the MSc degree in Mechanical Engineering at the Politecnico di Milano in 1999 and the PhD in Energy Engineering in 2002.
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He works as member of the Internal Combustion Engine (ICE) Group of the Energy Department at Politecnico di Milano coordinating the research activity on 1D and 3D modeling of intake and exhaust systems. The main topics of his research are the development and application of 1D and 3D models for the simulation of unsteady reacting flows in IC engine duct systems and aftertreatment devices; the development and application of 1D-3D coupling techniques, and the development of quasi-3D models for the acoustic and fluid dynamic simulation of intake and exhaust systems for IC. He is the author of more than 90 indexed publications and of an international book on 1D and multi-D modeling of internal combustion engines. He is associate editor for the *SAE Int. Journal of Engines*. In April 2015 he received the Lloyd L. Withrow Distinguished Speaker SAE Award.