

MÁRIO FRANCA

Mário Franca is Research and Teaching Associate at the Laboratory of Hydraulic Constructions of the École polytechnique fédérale de Lausanne. His career has been divided between research, consultancy and teaching activities. With a doctoral degree in sciences at EPFL, in the field of fluvial hydraulics/fluid mechanics, the domain of activity of Mário Franca includes hydraulic processes within the river basin. His present research focus on fluvial flows, namely turbulent processes; fluvial geomorphology and morphodynamics; density currents; and non-conventional hydropower production in supply networks. He is author of several scientific publications and regularly gives invited research seminars. He served as hydraulic engineer having participated and directed more than 70 applied projects including dams, hydropower, water supply, river engineering, emergency planning and hydraulic safety, drainage and rehabilitation of mining sites. He is part of the leading teams of the IAHR sections on Fluvial Hydraulics and on Experimental Methods and Instrumentation. He was member of the organizing committee of the conferences River Flow 2006 and 2014 and he is associate editor of Water Resources Research.