

## **Engineering Education 2.0: At the intersection of the Web of People and the Internet of Things**

*Denis Gillet*



In this talk, investigations on formal and informal requirements for personal learning environments taking into account students' personal learning practices will be presented. The potential of global Web 2.0 educational service bundles and informal learning communities, as well as their recommendation by peers and educators will be addressed. A scenario showing how these new paradigms can be integrated in engineering education as a way to bring together personal learning practices and to take advantage of the Internet of things for experimentation purposes will be drawn. Underlying requirements analysis and participatory design practices will be discussed. A special attention will be given to pedagogical and technological requirements and issues like usability, adoption, contextualization, personalization, as well as trust and reputation.

Denis Gillet is Associate Professor (MER) of Engineering at the Swiss Federal Institute of Technology in Lausanne (EPFL), where he got his PhD Degree in Information Systems in 1995. His research interests include Technologies Enhanced Learning (TEL), Human-Computer Interaction (HCI), Engineering Education, as well as Hierarchical Control of Distributed Systems. His current research focus is on personal learning environments and contextual recommender systems, with applications to on-line engineering education and knowledge management. Dr. Gillet is an Executive of the STELLAR European Network of Excellence on Technology Enhanced Learning. He has also a leading position in the ROLE European Integrated Project on Responsive Open Learning Environments.