

## FRANCE Delegation

**Bérengère Lebental**

IFSTTAR & Ecole Polytechnique

14-20 boulevard Newton, Cité Descartes  
77 447 Marne La Vallée Cedex 2  
France

+33 1 81 66 81 18

Berengere.lebental@ifsttar.fr



Bérengère Lebental is a graduate from Ecole Polytechnique (Paris Saclay University, France) Engineering Program in 2006 and Master's Degree in Physics and Nanotechnology in 2007. She achieved her PhD from Université Paris-Est, France, in 2010 and her Research Direction Clearance from Université Paris Sud in 2016.

Since 2010, she is research scientist and project director at IFSTTAR (The French Institute of Science and Technology for Transport, Development and Networks, a major player in European research on city, sustainable development and transportation) and at LPICM (Laboratory of Physics of Interfaces and Thin Films, a joined research team between Ecole Polytechnique and CNRS).

A physicist specialized in nanoelectronics and sp<sup>2</sup>-carbon-based nanomaterials, her research work focuses on the development and field deployment of reproducible and reliable nanosensors for applications to the Smart City, with a focus on micromechanical and chemical sensing. She was scientific coordinator between 2010 and 2016 of the 9M€ Sense-City Equipment program dedicated to the prototyping and large-scale validation of nanosensors for sustainable cities and is currently the coordinator of the H2020 project Proteus on water quality monitoring using Smart Integrated Micro and Nanosystems.