Arnaud de La Fortelle
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Short biography

Pr. Arnaud de La Fortelle is both director of the Mines ParisTech robotics lab (CAOR) and of the Joint Research Unit LaRA (La Route Automatisée – between Inria and Mines ParisTech). He has a Ph.D. in Applied Mathematics and engineer degrees from the French École Polytechnique and École des Ponts et Chaussées. He managed for LaRA several French and European projects (Puvame, Prevent/Intersafe, REACT, COM2REACT…) and has been coordinator of the European project GeoNet and of the French project AROS (awarded in 2011 the French prize for enhancing industry competitiveness). He has been elected in 2009 to the Board of Governors of IEEE ITSS (Intelligent Transportation System Society). He is also member of the Board of the French SIA (Automotive Engineers Society). He has been member of several technical program committees for conferences and has been vice-president of the French ANR evaluation committee *sustainable transport and mobility* from 2011 to 2013.

Arnaud de La Fortelle first studies theoretical properties of probability distributions (large deviations) with application to queuing networks (1997-2003). He then applies this knowledge to vehicle networks with a special focus for cybercars (2003-2005). At the same time, he begins to manage projects at INRIA; then he manages part of the team IMARA at INRIA and then also at Mines ParisTech. He becomes director of the joint research unit LaRA (the automated road) between INRIA and Mines ParisTech in 2006. He moves to Mines ParisTech in 2006 (keeping managerial responsibilities at INRIA) where he becomes director of the Robotics Lab (CAOR) in 2008. During that period, he investigates communications for cooperative systems and the architecture needed in distributed systems. While keeping some teaching and fundamental research in probability theory, his main topic of interest is now cooperative systems (communication, data distribution, control, mathematical certification) and their applications (e.g. Cybercars, collective taxis).