Stefano Di Cairano

Stefano Di Cairano received the MSc (Laurea) and the PhD, both from the university of Siena, in 2004 and 2008, respectively.

In 2008 he was granted the International Curriculum Option for Doctoral Studies in Hybrid Control for Complex Distributed and Heterogeneous Embedded Systems.

In 2002-2003 he was visiting student at the Technical University of Denmark, Lyngby, Denmark.

In 2006-2007 he was visiting researcher at the Control and Dynamical Systems Department, the California Institute of Technology, Pasadena, CA, where he joined the team competing in the 2007 DARPA Urban Challenge.

In 2008, Dr. Di Cairano joined the Powertrain Control Research and Advanced Engineering department, Ford Motor Company Research and Advanced Engineering, USA, where he is now appointed the Technical Expert for Optimal Powertrain Control.

Within Ford, his research focuses on the application of optimization-based control algorithms to complex systems including powertrain, vehicle dynamics, energy management, and supply chains. He collaborates with several Universities within US and Europe on several research subjects within Control Theory.

Dr. Di Cairano has authored/coauthored more than 40 publications in international journals and proceedings of international conferences, in the areas of Automotive Control, Model Predictive Control, Hybrid Systems, Networked Distributed Control Systems, Optimization Algorithms, Stochastic Control, and Aerospace Control.