

Short Bio

Imine received his Master Degree and his PhD in Robotics and Automation from Versailles University, France, respectively in 2000 and 2003. He received Accreditation to Supervise Research (Habilitation à Diriger des Recherches, HDR) on March 2012 from University of Valenciennes et du Hainaut Cambresis, France. In 2005, he joined IFSTTAR (Today University Gustave Eiffel), where he is currently Research Director. He is involved in different French and European projects. His research interests include Intelligent Transportation Systems, vehicle modeling and stability, diagnosis, nonlinear observation, nonlinear control. He published 2 books, over 80 technical papers, and several industrial technical reports.



Summary

- *Introduction/Motivation*
- *Road characteristics*
- *Vehicle dynamics*
 - ✓ *States estimation*
 - ✓ *Impact forces identification*
- *Vehicle safety study*
 - ✓ *Rollover risk*
- *Experimental results*
- *Actual and future works*