

Title

Modeling & Simulation Technologies of Intelligent and Connected Vehicles

Abstract

Intelligence and connectivity are the key technologies to improve driving safety and efficiency. This talk will focus on modeling and simulation of intelligent and connected vehicles, including virtual driving environment, virtual driving scenarios, environmental sensors, and simulated traffic participants. Then we introduce the virtual testing and validation technologies on vehicle performance, conformance, safety and security.

Short Profile

Wang Jian, born in 1981, and received his Ph.D. degrees in Computer Science from Jilin University in 2011. He is now a professor in College of Computer Science and Technology, Jilin University. His lead group devotes to designing intelligent vehicle and securing vehicular communications. He is awarded as excellent young teacher in Jilin University and candidate for outstanding youth foundation. He has multiple oversea study and research experiences, such as in Hanyang University, Korea, from 2015.09 to 2016.08; INRIA, France, from 2012.12 to 2014.06; University of Innsbruck, Austria, from 2010.05 to 2011.03; and UBC, Canada from 2009.04 to 2009.06. He is interested in topics related to wireless communication and vehicular networks, especially for network security and privacy protection. He has published over 27 articles as the first or corresponding authors on SCI-indexed international journals, granted 7 patents, 4 software copyrights, and 2 Chinese and English books, respectively.

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