

学术报告会

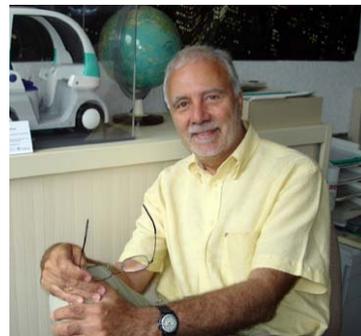
时间：2014年10月27日(周一)10:00

地点：电院群楼3-308会议室

Connected and Automated Urban Vehicles

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Abstract:

The influence of Autonomous Vehicles gradually increases nowadays. And particularly Connected and Automated Urban Vehicles will make a big impact on future transportation system. These smart vehicles help to reduce traffic congestion, improve travel safety and change people's trip mode. Cybercars, as an outstanding representative, has made great achievements in both theoretical and technological contributions. However, there are still a lot of challenges to overcome. This forum aims at reviewing the history of Cybercars and discussing the issues in the development of Cybercars in the future.

Biography:

Michel Parent has an engineering degree from the French Aeronautics School (ENSAE), a Masters degree in Operation Research and a Ph.D. in Computer Science, both from Case Western Reserve University, USA.

Michel Parent is currently scientific advisor to IMARA, the INRIA research team on advanced road transport. This team focuses on research and development of information and communication technologies for road transport and in particular on fully automated vehicles (the cybercars). He was the creator and director of this team between 1991 and 2010 and is considered as the "father" of the cybercar concept as he was the coordinator of the European Project CyberCars between 2001 and 2004 and the follow-up project CyberCars2 (2006-2009). He was involved in many other French or European projects on ITS and he is recognized worldwide as an expert in innovative transportation technologies.

Before his positions at IMARA, Michel Parent has spent half of his time in research and academia at such places as Stanford University and MIT in the USA and INRIA in France, and the other half in the robotics industry. He was the president of the French Robotics Association between 1974 and 1979. He is the author of several books on robotics, vision and intelligent vehicles, and numerous publications and patents.