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present



CyberCars: A New Intelligent Transportation System For Cities

by
Dr Michel Parent
INRIA, France

Date : 08 October 2001
Time : 3 :00pm to 5 :00pm (Light refreshments will be provided from 2:30pm)
Venue : Hawken Auditorium Engineering House, Institution of Engineers Australia
447 Upper Edward Street, Brisbane

Abstract: In many urban environments, the use of private automobiles has led to severe problems with respect to congestion, energy, pollution, noise, safety and general degradation of the quality of life. In spite of many recent improvements in public transportation systems (PTS), in many cases the car still offers a much better service for the individual. Therefore, dense city centres are facing serious problems, traditional commerce in them declines – moving to the periphery - and they become less attractive to business and residents.

Emerging now as an alternative solution to the private passenger car is a new approach for mobility. It offers the same flexibility with fewer problems: small automated vehicles which form part of the PTS, and complement mass transit and non-motorized transport. They provide on-demand passenger service for any location at any time. The technology for these vehicles has been developed over the last ten years, in particular at INRIA. Now, a large European project is looking at the experimentation in cities.

The seminar is about the CyberCars Prototype Vehicles and their various underlying technologies. The CyberCars project is the most recent transportation initiative by the European Union. It is being carried out by a Consortium of fourteen partners (research and industrial organisations) from the eight European countries.



Speaker: Dr Michel Parent is with INRIA (French National Institute for Research in Computer Science and Control). He is the Scientific Coordinator of the CyberCars Project and responsible for both the development and deployment of the CyberCars prototype vehicles.

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