

# Advances in Future Vehicles and Technical Requirements

## GUEST SPEAKER

**Prof. Tadao Saito**

Professor Emeritus, University of Tokyo

When: **17<sup>th</sup> September 2010, 2.00 p.m. to 3.00 p.m.**

Where: **Institute of Microelectronics, Singapore**

11 Science Park Road Singapore Science Park II Singapore 117685

## **Abstract**

In vehicular technology, the main requirements in past 10 years were the improvement of comfort and safety. A lot of new services and equipment were devised for these purposes. In recent years, many more new requirements have been for a sustainable environment.

For these new requirements, vehicle improvements depend entirely on electronics and the support of infrastructure. As the first step, communications infrastructure and power infrastructure will be involved and vehicle technology will help these infrastructures cultivate new markets. The talk will present a variety of requirements and current solutions for future vehicles. Collaborations between the vehicle and IT industries will create a new field of research, which will result in future growth for the information industry.



## **About the Speaker**

Prof. Tadao Saito received his Ph.D in electronics from the University of Tokyo in 1968. Since then he has been a professor at the University of Tokyo, where he is now a Professor Emeritus. Since April 2001, he has been the Chief Scientist and CTO of Toyota InfoTechnology Center, where he studies future ubiquitous information services around automobiles.

Prof. Saito has also worked on numerous subjects related to digital communication and computer networks. His research includes a variety of communication networks and its social applications such as ITS. In the 1970s, he was a member of the designing group for the Tokyo Metropolitan Area Traffic Signal Control System, designed to control 7,000 intersections under Tokyo Police Authority. Presently, he is the chairman of the Ubiquitous Networking Forum of Japan working for the future vision of information society. He is also the chairman of the New Generation IP Network Forum of Japan. He has written two books on electronic circuitry, four books on computers and two books on digital communication and multimedia.

From 1998 to 2002 he was the chairman of the Telecommunication Business Committee of the Telecommunication Council of the Japanese government and contributed to regulatory policy of telecommunication business for broadband networks. In addition, Prof. Saito is the Japanese representative of the International Federation of Information Processing General Assembly and Technical Committee 6 (Communication System). He is a life fellow of IEEE, and honorary member and fellow of IEICEJ.

## **Registration**

Pre-registration is required. Closing date is 15<sup>th</sup> September 2010. To register, please log on:

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## Location Map

