

# International Advanced School on Automotive Software Engineering March 7-8, 2011 Nagoya, Japan

名古屋

Sponsor  
Graduate School of Mathematical  
Sciences and Information Engineering,  
Nanzan University

In Cooperation with  
Society of Automotive Engineers of Japan (JSAE)  
Information Processing Society of Japan (IPSI) SIG Software Engineering

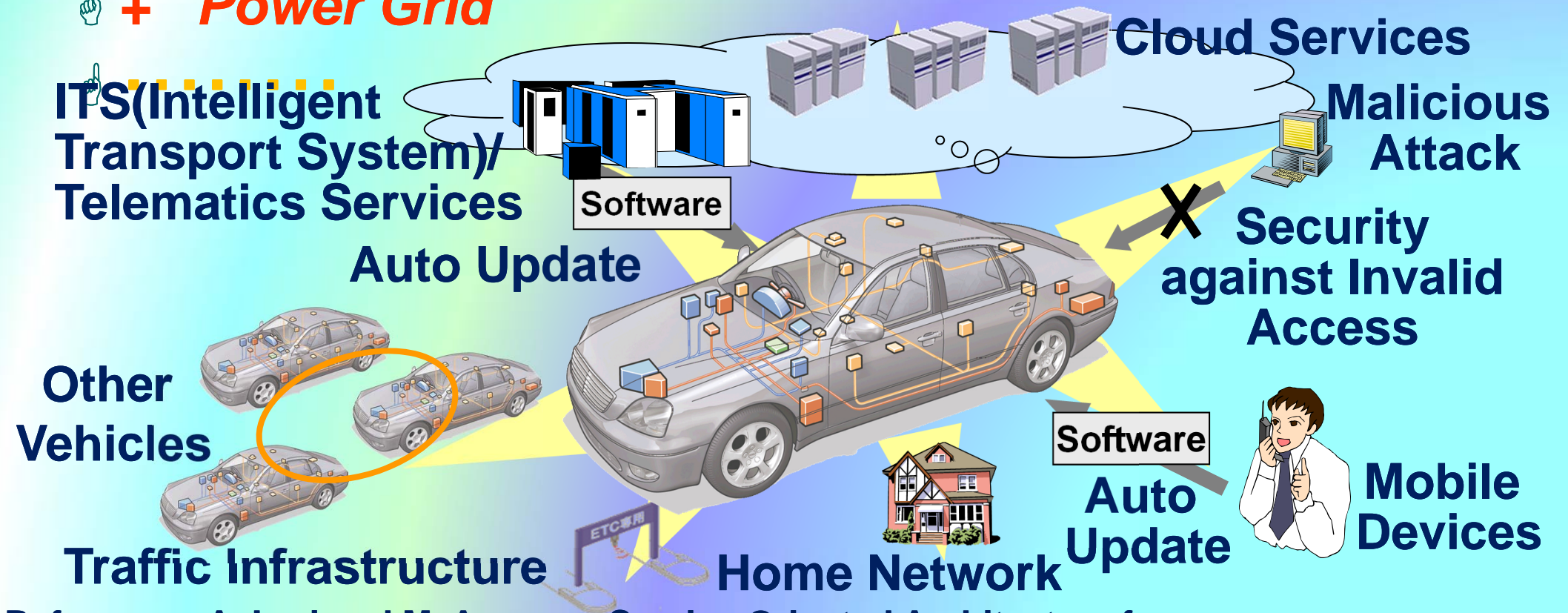
With the Support of  
Information Technology Promotion Agency, Japan (IPA)  
Central Japan Industries Association



# Background: Big Change of Automotive

## ➡ (R)Evolution of Automotive (Software)

- ➡ **Vehicle and Traffic Infrastructure**
  - ➡ **+ "IT services"**
  - ➡ **+ "Power Grid"**
- ITS, Telematics } Smart Grid  
Power Grid }



Reference: A. Iwai and M. Aoyama, Service-Oriented Architecture for Automotive Cloud Service Systems, Proc. APSEC 2010.

# Motivation of School

- ➡ **Software is Source of Innovation,**
  - ➡ **Fundamental Change is Undergoing**
- ➡ **So, Software Becomes Very Important,**  
**i.e. Major Stream in Automotive Industry**
- ➡ **However,**
- ➡ **Software Engineering is **NOT WELL****  
**Understood,**
- ➡ **Software Becomes **CHALLENGE****

# Style of School

- ➡ **Basic Policy: Learn Together**
  - ☞ **From Different Perspectives**
    - ☞ **Engineering and Real World Applications**
  - ☞ **Multiple Technical Aspects**
    - ☞ **Real-Time Safety-Critical Control**
    - ☞ **Human Machine Interface**
    - ☞ **Networking and Services**
  - ☞ **Global Perspective**
- ➡ **Format: Long Talk and Following Discussions**

# For Your Survival and Joy

## Lunch

 Lunch of Today is NOT Provided

 Restaurants in B1: Japanese, Noodle, & Western

 Many Restaurants around the WINC

 Lunch of Tomorrow is Provided

 Reception will be Held at this Room from 6:30 to 8:00

 Tour to TAM(Toyota Automotive Museum) on March 8

 3:00 p.m. Bus Leaves from Nanzan University to TAM

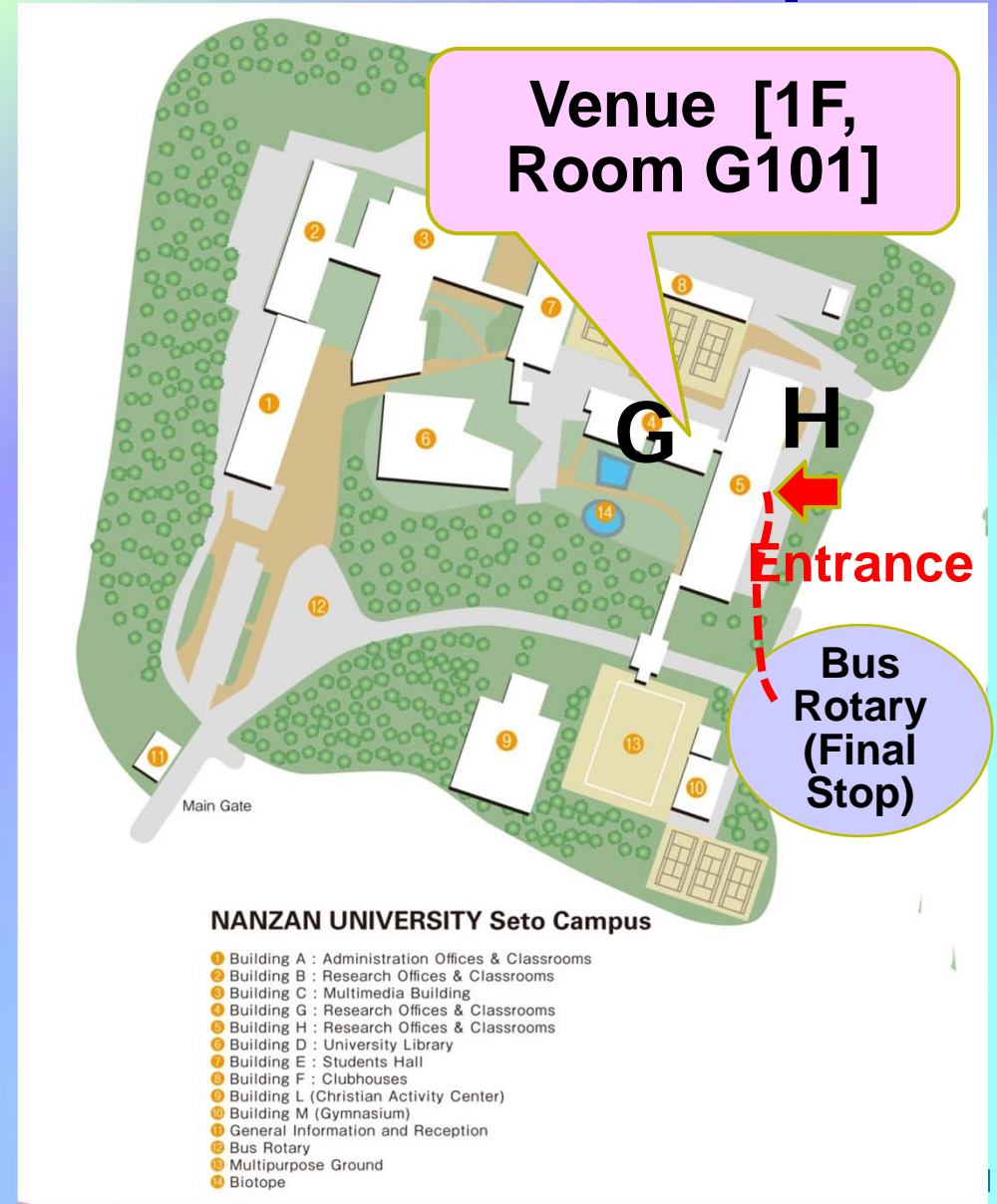
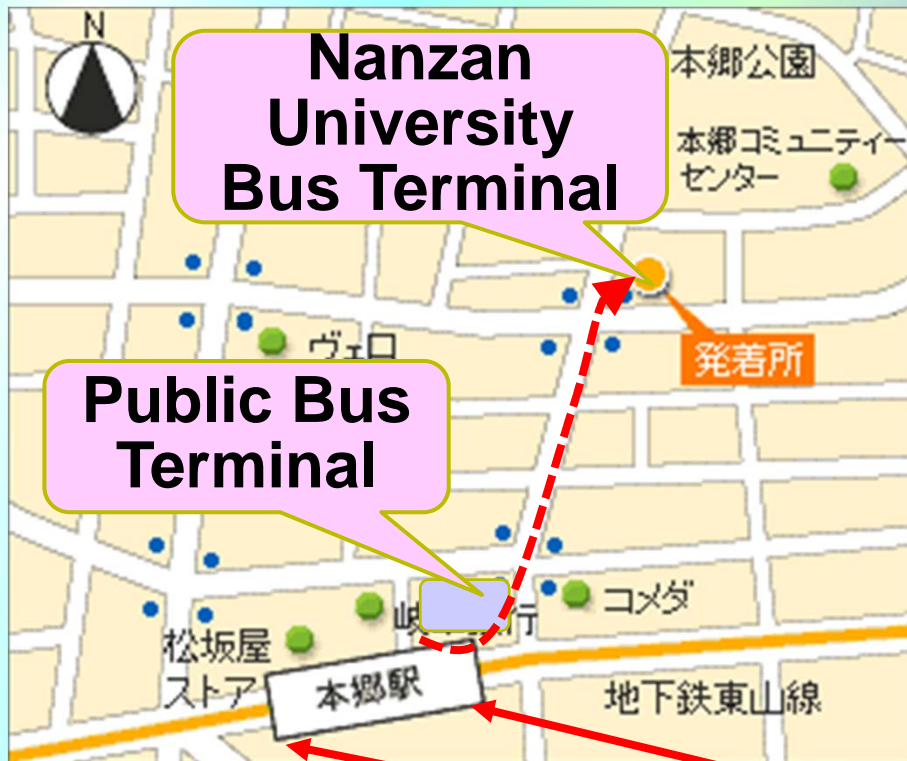
 Tour: 3:30 p.m. – 5:00 p.m.

 5:00 p.m. Bus Leaves from TAM to Hongo Subway Station

# Direction to Seto Campus

👉 **Bus from Hongo Bus Terminal to Seto Campus**

👉 **8:50, 9:00, 9:50**



**Nagoya** — **Subway** — **Hongo**  
**Higashiyama-Line**  
**(Yellow Line: 25 min.)**

# Special Thanks

- ➡ **Sponsor: Nanzan University and Staffs**
- ➡ **In Cooperation with**
  - ➡ **Society of Automotive Engineers of Japan (JSAE)**
  - ➡ **Information Processing Society of Japan (IPSJ) SIG Software Engineering**
- ➡ **With the Support of**
  - ➡ **Information Technology Promotion Agency, Japan (IPA)**
  - ➡ **Central Japan Industries Association**
- ➡ **Tanks to Colleagues of Toyota and Denso for Their Help**



**Enjoy the School !!**