Call for Participation
International Advanced School on Automotive Software Engineering

March 7-8, 2011

Nagoya, Japan

http://www.nise.org/IAS-ASE-2011/

Theme: Software Engineering for Automotive Innovation

Sponsor

Graduate School of Mathematical Sciences and Information Engineering,

Nanzan University

http://www.nanzan-u.ac.jp

In Cooperation

JSAE(Society of Automotive Engineers of Japan),
IPSJ(Information Processing Society of Japan) SIG Software Engineering

Organizing Committee

M. Aoyama(Nanzan U.)
M. Broy(Tech. U Munich)
I. Krüger(UC San Diego)
H. Murayama(Denso)
K. V. Presad(Ford)
K. Yamamoto(Toyota ITC)

About Nagoya

Nagoya is located at the center of Japan. It's the global automotive industry centers, where Toyota and its group companies, Honda, Mitsubishi and Suzuki locate.

Besides its famous Nagoya castle, you can experience at the Toyota Automotive Museum, and Japanese quality culture.

Access: The nearest airport is Chubu Centerair International Airport. From the airport, JR Nagoya station can be reached by express train in 30 min.

Nagoya can be reached in 1 hour and 30 min. from Tokyo by a super express train.

For further information:
Nagoya Information Navi
http://www.ncvb.or.jp/en/
Chubu Centerair Int'l Airport
http://www.centrair.jp/en/
Kraftsmanship in Japan
http://www.sangyokanko.jp

Past Events Related

SAASE 2009 (Sympo. on Automotive/Avionics Systems Engineering)

AuRE 2004, AuRE 2006 (Automotive Requirements Engineering Workshop)

Introduction

Software is the source of innovation in automotive. However, with the extremely-rapid growth of software in its size and complexity, innovation is also necessary for automotive software engineering. To motivate researchers and engineers in automotive software engineering, we create a new initiative of international advanced school on automotive software engineering, where people can learn and discuss on latest technologies and practices in automotive software engineering. Please join the school and work together with world renowned researchers for the innovation of automotive software engineering. No registration fee is required.

Program Overview

March 7 (Mon), WINC AICHI 10F Room 1002

10:00-10:15 Welcome and Introduction

10:15-11:30 Keynote

Automotive Systems and Software in the Social Infrastructure, Tadao Saito (CTO/Chief Scientist, Toyota InfoTechnology Center, Professor Emeritus, The University of Tokyo, Japan)

11:30-12:45 Engineering Innovation I

Variability Management in Software Product Line Engineering, K. C. Kang (POSTECH, Korea)

14:00-16:00 Real World Innovaiton I

An Approach to Practical Validation of Control Software Specification,
Tomoyuki Kaga (Toyota Motor, Japan), and Masakazu Adachi (Toyota Central R&D Labs., Japan)
The Complexity of Automobile Software Systems and Some Design Approaches
K. Venkatesh Prasad (Ford Motor, USA)

16:15-18:15 Real World Innovaiton II

Contextual Design and Automotive HMI Innovation, A. W. Gellatly (General Motors, USA)
Development of IT System for EV (Tentative), G. Sone (Nissan Motor, Japan)
18:30-20:00 Networking & Reception at WINC AICHI

March 8 (Tue), Nanzan University, Seto Campus, Room G101

9:30-12:00 Engineering Innovation II

Model-Based Development of Deterministic, Portable Real-Time Software Components with the Timing Definition Language (TDL) and Advanced Simulation Tools, W. Pree (Director, Embedded Software & Systems Research Center, University of Salzburg, Austria)
Component-Based Real-Time System-Level Design(Tentative), J. E. Kim (Robert Bosch, USA)

13:00-15:30 Engineering Innovation III

AI-based and Data Mining-based Methods for Diagnosing Automotive Systems,
Takuro Kutsuna (Toyota Central R&D Labs., Japan)
Automotive Could Services System, A. Iwai (Denso, Japan)

16:00-17:00 Tour at Toyota Automotive Museum

Special Exhibition: Reviewing 125-Year History of Automobiles by Collection Cars & Literature [http://www.toyota.co.jp/Museum/]

March 9 (Wed): Tour to Toyota Factory (For those who are interested, free for charge)

Venue

Room 1002, Winc Aichi* and Nanzan University
*Located in front of JR Nagoya Station [http://www.winc-aichi.jp/]

Accommodations Suggested

Nagoya Marriott Associa Hotel (On the JR Nagoya Station, world-class luxury hotel, 3 min. walk to the venue) [http://www.associa.com/english/nma/]

Toyoko Inn Sakura-dori-guchi Shinkan and Honkan (Two hotels closely located at 10 min. walk to venue, confortable and inexpensive, all rooms are connected to Internet, breakfast included, room rate ranges US $ 80-100/night) [http://www.toyoko-inn.com/]

Registration and Further Information

Registration will open soon. For further information, please send e-mail to ISA-ASE-2011@nise.org or, contact to Mikio Aoyama, Professor, Dep. of Software Engineering, Nanzan University, at mikio.aoyama@nifty.com