

# JAIST

## FORUM 2008

21世紀COEプログラム  
「検証進化可能電子社会」

21st Century COE Program "Verifiable and Evolvable e-Society"

2008年11月25日(火)

DATE : Nov. 25 (Tue) , 2008

石川ハイテク交流センター (JAIST隣接, 石川県能美市旭台2-1)

PLACE : Ishikawa High-Tech Exchange Center (Next to JAIST)

使用言語 : 英語および日本語

Language : English and Japanese

参加無料

Entrance fee : Free

第1部

SESSION 1

法令工学

Legal Engineering

第2部

SESSION 2

電子社会のための検証方式

Verification on Social/Organizational Issues

第3部

SESSION 3

電子社会の安心基盤技術

e-Society Infrastructure

国立大学法人

北陸先端科学技術大学院大学

〒923-1292 石川県能美市旭台1-1

お問い合わせ  
国際戦略室

TEL.0761-51-1899

E-mail:kokusai@jaist.ac.jp

# プログラム Program

9:00 Opening Remarks  
**Takuya Katayama** (President, JAIST)

## SESSION 1 <Legal Engineering>

9:10-9:50 (Invited Talk)  
**Leon J. Osterweil** (University of Massachusetts Amherst)  
**Applying Process Technology to the Specification and Analysis of Laws**

9:50-10:20 **Satoshi Tojo** (JAIST)  
**Verification of legal Knowledge in Extended Logic Programming**

10:20-10:50 **Akira Shimazu** (JAIST)  
**Language Processing of Legal Documents**

10:50-11:00 Short Break

11:00-11:40 (Invited Talk)  
**Katsumi Nitta** (Tokyo Institute of Technology)  
**Modelling Reasoning Process of Lawyers**

11:40-12:10 **Koichiro Ochimizu** (JAIST)  
**Realization of the software accountability function and the evolution mechanism of Law-enforced Information Systems**

12:10-13:10 Lunch

## SESSION 2 <Verification on Social/Organizational Issues>

13:10-13:50 (Invited Talk)  
**Dines Bjørner** (Technical University of Denmark, Technical University of Graz, Austria)  
**The Role of Domain Engineering in Software Development - or why current ideas of Requirements Engineering are all wrong !**

13:50-14:20 **Kokichi Futatsugi** (JAIST)  
**Formal Domain Descriptions with OTS/CafeOBJ**

14:20-14:50 **Kunihiko Hiraishi** (JAIST)  
**Theory of Hybrid Systems and Its Application to Performance Verification of Information Systems**

14:50-15:20 **Mizuhito Ogawa** (JAIST)  
**Pushdown model checking: its implementations and applications**

15:20-15:50 Coffee Break

## SESSION 3 <e-Society Infrastructure>

15:50-16:30 (Invited Talk)  
**Richard D. Schlichting** (AT&T Labs-Research)  
**Search for the Holy Grail: Are SOAs the Answer?**

16:30-17:00 **Atsuko Miyaji** (JAIST)  
**Key Evolution Encryption to Achieve Intrusion Resilience**

17:00-17:30 **Yoichi Shinoda** (JAIST)  
**StarBED2 Project**  
**- A Practical Approach to Dependable Ubiquitous Networks -**

17:30 Closing Remarks  
**Yusuke Kawakami** (Vice President, JAIST)