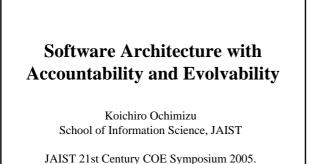
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Title	Software Architecture with Accountability and Evolvability
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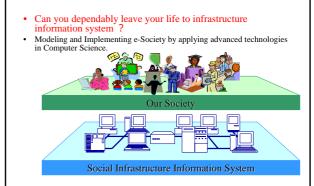


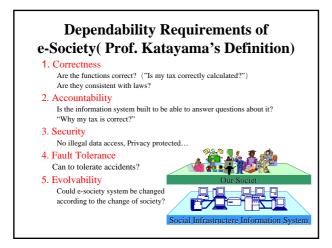
Japan Advanced Institute of Science and Technology

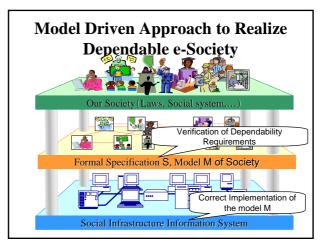


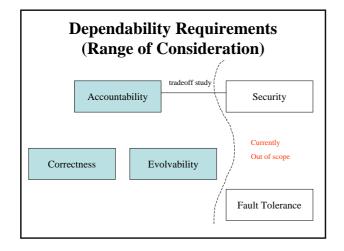
JAIST 21st Century COE Symposium 2005. "Verifiable and Evolvable e-Society" March 11th, 2005

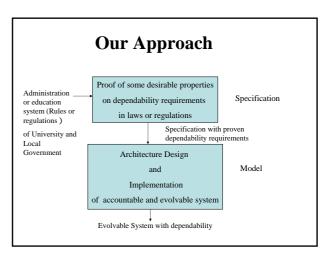
Prof. Katayama's Motivation











Goal and Scope of Our Team

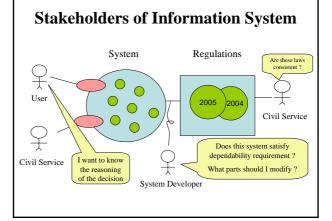
- Proving Dependability Requirements of e-Society using Heavy weight Ontology Prof. Ikeda
- Dr.Hayashi
- Designing Evolvable and Accountable System using Advanced Object-Oriented Technologies including Feature/Aspect Oriented approach
- Prof. Ochimizu
- Associate Prof. Suzuki
- Dr. Fujieda
- Dr. Hattori
- Dr. Amano
- Mr. Hayasaka (PhD. Student)
- Target Domains
- Administration of Local Government - Education System of University

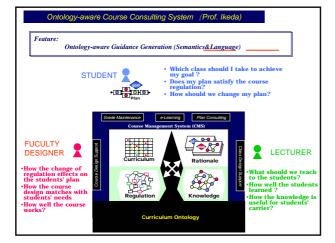
Topics of Today (Preliminary Consideration)

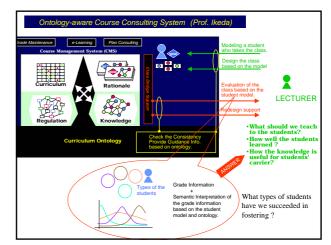
- Definition
 - Accountability
 - Evolvability
- Expected Tools for Model Implementation
 - Variation Point modeling of PL

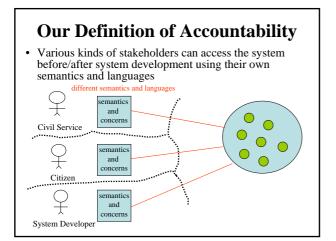
What are the Origin of Accountability

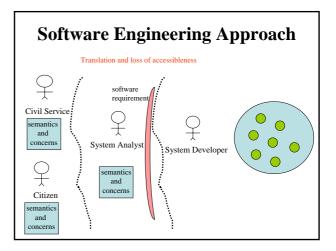
- Officers of Civil Services
 - What should we do to improve the welfare of the aged ?
 - What kinds of regulation should be enacted?
 - What is a role of Information System ?
- · Citizens
 - How can we reduce the tax payment?
 - What are the related regulations.
 - What should we do to use the system ?
- Each stakeholder has own:
 - Semantics: understanding of the real world (origin)
 - Languages: to express ones needs
 - Concerns to the System
- special thanks to Mr. Kumagai. This definition was obtained from the discussion with him

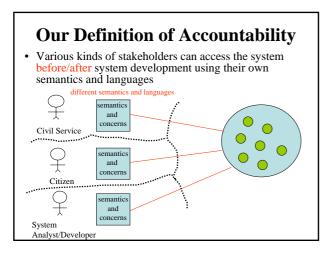


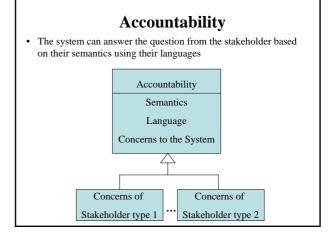


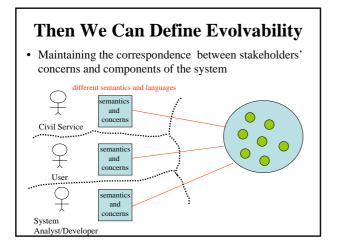


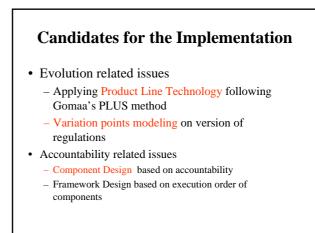


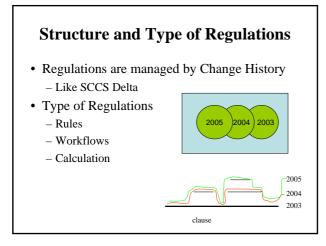


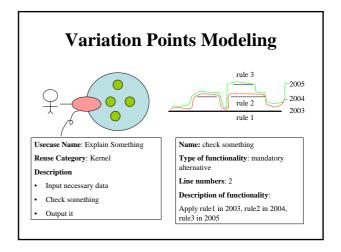


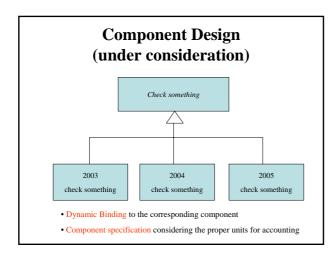












Conclusion (Research Plan)

- Method and Language for Describing Stakeholders' Semantics and Concerns
- Component Specification Language related to Accountability
- Language for Variation Points Modeling
- Framework Development

