Invitation

SIKS Masterclass on Requirements Engineering & Information Modelling

Tuesday 30 May 2006, 10.00 - 16.30h
Vrije Universiteit Amsterdam
Room F123 VUA (Exact Sciences Building)
De Boelelaan 1081a, 1081 HV Amsterdam

Program

10.00-10.30 Coffee and registration

10.30-11.45 Prof. Dr. John Mylopoulos (University of Toronto/Trento):
            Goal-Oriented Requirements Engineering

11.45-12.30 Freeband/FRUX project, incl. presentation by
            Ziv Baida: *"Serviguration": The Road to Online Service Bundling*

12.30-13.45 Lunch

13.45-15.00 Prof. Dr. Yves Pigneur (HEC Lausanne, Switzerland):
            A Design Approach for Business Model Innovation and IT Alignment

15.00-15.30 Discussion
15.30   Closure, with drinks etc. ("Borrel")

This SIKS Masterclass is hosted by the BSIK project Freeband/FRUX,
and chaired by Prof. Dr. Hans Akkermans (VUA, Amsterdam)

If you would like to participate, attendance is free, but please send an email
message to: Dr. Richard Starmans, starmans@cs.uu.nl (SIKS members)
and Ms. Elly Lammers, elly@cs.vu.nl

Talk Abstracts:

Prof. Dr. John Mylopoulos (University of Toronto/Trento):
Goal-Oriented Requirements Engineering
The last fifteen years have seen the rise of a new phase in software development which is concerned with the acquisition, modelling and analysis of stakeholder purposes ("goals") in order to derive functional and non-functional requirements. We review the history of ideas and research results for this new phase and sketch on-going research on the topic. Specifically, we discuss an agent-oriented software development methodology – called Tropos – that is founded on the concepts of goal, actor, as well as inter-actor dependencies. We also show how goal models that characterize a space of possible solutions for meeting stakeholder goals can be used as a basis for designing high variability software. In addition, we report on early work to extend database design techniques to support the generation of a database conceptual schema from stakeholder goals. The research reported is the result of collaborations with colleagues at the Universities of Toronto and Trento.

Prof. Dr. Yves Pigneur (HEC Lausanne, Switzerland):
A Design Approach for Business Model Innovation and IT Alignment
The objective of this presentation will be threefold. The first one will be to remind the interests and the roles of the business model concept in requirements engineering and the development of e-business solutions. The second topic will be to point out different types of innovation, and specifically business model innovation in relationship with information and communication technologies. The last concern will outline how an iterative design approach is particularly suited for aligning an IT solution with business strategy.

Ziv Baida (VUA, Amsterdam):
Serviguration: The Road to Online Service Bundling
This PhD Thesis research work (SIKS No. 2006-06) presents an ontology-based approach to designing and offering cross-organizational customer-centric service bundles over the Internet. On the basis of the "serviguration" service ontology, service bundles can be automatically generated by means of configuration reasoning methods to specifically suit the needs and demands of customers. We present a large scale case study, done as part of the BSIK project Freeband/FRUX, where our ontology has been implemented to design service bundles for dementia patients and their informal carers at home.

Bios:

Prof. Dr. John Mylopoulos received his BEng degree from Brown University in 1966 and his PhD degree from Princeton in 1970, the year he joined the faculty of the University of Toronto. His research interests include requirements engineering, conceptual modeling, data semantics and knowledge management. Mylopoulos is the recipient of the first-ever Outstanding Services Award given by the Canadian AI Society (CSCSI), a co-recipient of the best-paper award of the 1994 International Conference on Software Engineering, a fellow of the American Association for AI (AAAI) and the elected president of the VLDB Endowment (1997-2003). He is co-editor of the Requirements Engineering Journal (published by Springer-Verlag). He has also contributed to the organization of major international conferences, including program co-chair of the International Joint Conference of AI (1991), general chair of the Entity-Relationship conference (1994), program chair of the International IEEE Symposium of Requirements Engineering (1997), and general chair of the Very Large Databases Conference (2004).

Prof. Dr. Yves Pigneur is professor in information systems at the HEC School of Business of the University of Lausanne. In 1994, he was visiting professor in the IS department of Georgia State University. In 2004, he was visiting professor in the IS department of the University of British Columbia. His interests cover information system design, requirements engineering, management of information technology and e-business. He is active in the European EU-IST Network of Excellence INTEROP that focuses on research for enterprise interoperability.

Ziv Baida worked as a researcher in the Business Informatics group of VUA, in the context of the European EU-IST project OBELIX (Ontology-Based Electronic Integration of CompleX Products and Value Chains, http://obelix.e3value.com), and the Dutch BSIK research project Freeband/FRUX (better cooperation and care through intelligent context-aware community services, http://www.freeband.nl, see also the FRUX project and news links on this site).
He is now a postdoctoral fellow at the Information Systems group at the Faculty of Economics and Business Administration, in the EU-IST Integrated Project ITAIDE (Information Technology for Adoption and Intelligent Design for E-Government).

He defends his PhD Thesis on 29 May 2006. You can find the full thesis (SIKS Dissertation Series No. 2006-06, and presented at the SIKS Masterclass) on Ziv's research page:
http://www.baida.nl/research/serviguration.html