



Please join us for this special NICTA event in the area of
Service-Oriented Architecture and e-Government



Patricia Oberndorf
Director, Dynamic Systems
Software Engineering Institute
Carnegie Mellon University

Presents

Interoperability and Service-Oriented Architectures: Meeting the Demands of Systems of Systems

Patricia Oberndorf has 30 years of experience in software engineering. She is Director of the Dynamic Systems Program at the Software Engineering Institute, responsible for leadership and technical oversight of the Performance Critical Systems and Integration of Software-Intensive Systems initiatives. The work in the Program addresses the system qualities of interoperability, performance, dependability, safety, and how to manage for success. She has been a principle in work on open systems, construction of systems from commercial off-the-shelf (COTS) products, and computer-aided software engineering (CASE) environments. She co-authored, *Managing Software Acquisition: Open Systems and COTS Products*. Prior to working at the SEI, Patricia spent almost 20 years with the United States Navy. BS: Oregon State University, MS: University of California, San Diego.

Liam O'Brien
Principal Researcher
National ICT Australia

Presents

Service Migration Assessment Technologies—Australia



Liam O'Brien has over 18 years experience in research in software engineering. He is a Principal Researcher at NICTA's e-Government Initiative. He is responsible for leading research in areas relevant to e-Government including service-oriented architectures, service migration, service integration, scoping of SOA and cost and effort estimation. Prior to joining NICTA he was Research Area Leader for the Software Product Lines area at Lero – the Irish Software Engineering Research Centre and before that was a Senior Member of the Technical Staff at the Carnegie Mellon Software Engineering Institute (SEI). He holds a BSc and PhD from the University of Limerick, Ireland.

DETAILS

Date: Wednesday October 3rd 2007
Time: 4:00pm–6:00pm (with refreshments)
Venue: Seminar Room, NICTA Building
7 London Circuit, Canberra ACT

RSVP: Tuesday 25th September to
jocelyn.mcgill@nicta.com.au or (02) 6125 6253

Places are limited so please RSVP early

AGENDA

4:00pm–4:30pm	Introduction and SMAT-AUS—Liam O'Brien, NICTA
4:30pm–5:00pm	Interoperability and Service-Oriented Architectures: Meeting the Demands of Systems of Systems—Patricia Oberndorf, SEI
5:00pm–6:00pm	Refreshments and Networking

Interoperability and Service-Orientated Architectures: Meeting the Demands of Systems of Systems

Patricia Oberndorf

Abstract: We are building increasingly complex systems by piecing together other systems and components. This affords an interoperability challenge that is being investigated by the Carnegie Mellon Software Engineering Institute (SEI). One particular technology in this area that has drawn attention is service-oriented architectures.

This talk will introduce the SEI in a brief overview, followed by a look at interoperability and some of the challenges it involves. Then the talk will focus in on service-oriented architecture and the body of work in which the SEI is engaged regarding their application to systems of systems.

Service Migration Assessment Technologies—Australia

Liam O'Brien

Abstract: As government and industry organizations are moving towards the use of services and service-oriented architectures there is a need for methods, techniques and tools to assist these organizations in making informed decisions about how to best take advantage of these technologies. This talk will introduce technology that is being developed at NICTA to support migration to SOAs and integration of services with existing systems. The talk will focus on a specific technology that is being developed Service Migration Assessment Technologies - Australia (SMAT-AUS) that helps to determine the scope, cost and effort of service integration along with performance and Quality-of-Service modeling and simulation.

