

Proceedings of the

International Conference on Next Generation Web Services Practices

September 25-28, 2006, Seoul, Korea



Los Alamitos, California

Washington • Tokyo

Table of Contents: NWeSP 2006

International Conference on Next Generation Web Services Practices

Chairs' Welcome Message.....	ix
Organization.....	x

Web Services Architecture, Modeling and Design

A UML Simulator for Behavioral Validation of Systems Based on SOA.....	3
<i>Hiroyuki Kurahata, Taku Fuji, Toshiyuki Miyamoto, and Sadatoshi Kumagai</i>	
Describing, Verifying and Developing Web Service Using the B-method.....	11
<i>Shuaiqiang Wang, Jiancheng Wan, and Xiao Yang</i>	
GNSD: A Novel Service Discovery Mechanism for Grid Environment.....	17
<i>Hai Jin, Yongcai Tao, Xuanhua Shi, and Li Qi</i>	

Semantic Web, Ontologies (Creation, Merging, Linking and Reconciliation)

Semantic Documentation Using Semantic Web Technologies and Social Web Services.....	24
<i>Hak Lae Kim, Hong Gee Kim, and Stefan Decker</i>	
Incorporating Provenance in Service Oriented Architecture.....	30
<i>Shrija Rajbhandari and David Walker</i>	
CQET. An Triple Facts-Based Query Engine for Processing the Ontologies.....	38
<i>Hyunjang Kong, Myunggwon Hwang, and Pankoo Kim</i>	

Database Technologies for Web Services

An Approach to Automating Transaction Management in a Data Services Platform.....	44
<i>Srinivas Padmanabhuni, Krishnendu Kunti, Mobit Chawla, Sunny Saxena, Philippe Rolet, and Manivannan Gopalan</i>	
Performance of Dynamic Web Page Generation for Database-driven Web Sites.....	51
<i>Probir Ghosh and Andrew Rau-Chaplin</i>	
IMK2—A Database-Centric, Web Service Based Architecture for Distributed Resource-Oriented Queries.....	59
<i>Lavinio Cerquetti, Doan Isakov, and Annett Priemel</i>	

Web Services Security

Security Support for Mobile Grid Services Framework	67
<i>Sze-Wing Wong and Kam-Wing Ng</i>	
Detection of Parameter Manipulation Using Global Sequence Alignment	75
<i>Jae-Chul Park and Bong-Nam Nob</i>	
Access Control on the Composition of Web Services.....	81
<i>Wei Qin Tong, Junqiang Zhu, and Yu Zhou</i>	
Risk Analysis and Protection for WBIS.....	86
<i>Bingyang Zhou</i>	
Drawbacks of Liao et al.'s Password Authentication Scheme	93
<i>Eun-Jun Yoon and Kee-Young Yoo</i>	

Quality of Service, Scalability and Performance

A Constraint Satisfaction Approach to Non-functional Requirements in Adaptive Web Services(not available)..	98
<i>Srinivas Padmanabhuni, Bijoy Majumdar, Mohit Chavla, and Ujval Mysore</i>	
Supporting QoS Based Selection in Service Oriented Architecture	106
<i>Vikas Deora, Jianhua Shao, Alex Gray, and N.J. Fiddian</i>	

Customization, Reusability, Enhancements

Texas Library Directory Web Services Application: The Potential for Web Services to Enhance Information Access to Legacy Data	113
<i>Fatih Oguz and William Moen</i>	
Applying Safe Regression Test Selection Techniques to Java Web Services	119
<i>Feng Lin, Michael Ruth, and Shengru Tu</i>	

Web Services Standards

Automatic Web Services Interactions—Requirements, Challenges and Limits from the F-WebS System Perspective	127
<i>Witold Abramowicz, Konstanty Haniewicz, Monika Kaczmarek, and Dominik Zyskowski</i>	
Secure Password Authentication Protocol in Wireless Networks.....	133
<i>Eun-Jun Yoon and Kee-Young Yoo</i>	

Web Services Applications

A Solution to Intelligent Services Selection	136
<i>Hongbing Wang, Yifei Wang, Zongwei Luo, and Xun Xu</i>	
A Logo Gestalt Based Framework for Brand Services.....	144
<i>Mario Köppen, Pablo Valle, and Raul Vicente Garcia</i>	
A Web Based E-Learning and E-Psychology Modular Environment.....	149
<i>Athanasios Drigas, Leyteris Koukianakis, and Yannis Papagerasimou</i>	
Author Index.....	155