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

---

## Organization

---

### Web Services Architecture, Modeling and Design

- **A UML Simulator for Behavioral Validation of Systems Based on SOA**
  
  Hiruyuki Kurahata, Taku Fujii, Toshiyuki Miyamoto, and Sadatoshi Kumagai

- **Describing, Verifying and Developing Web Service Using the B-method**
  
  Shuaiqiang Wang, Jiancheng Wan, and Xiao Yang

- **GNSD: A Novel Service Discovery Mechanism for Grid Environment**
  
  Hai Jin, Yongcai Tao, Xuantong Shi, and Li Qi

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

- **Semantic Documentation Using Semantic Web Technologies and Social Web Services**
  
  Hak Lae Kim, Hong Gee Kim, and Stefan Decker

- **Incorporating Provenance in Service Oriented Architecture**
  
  Shrija Rajbhandari and David Walker

- **CQET. An Triple Facts-Based Query Engine for Processing the Ontologies**
  
  Hyunjang Kong, Myunggon Hwang, and Pankoo Kim

### Database Technologies for Web Services

- **An Approach to Automating Transaction Management in a Data Services Platform**
  
  Srinivas Padmanabhu, Krishnendu Kanti, Mobit Chawla,
  Sunny Saxena, Philippe Rolet, and Manivannan Gopalan

- **Performance of Dynamic Web Page Generation for Database-driven Web Sites**
  
  Prokrir Ghosh and Andrew Rau-Chaplin

- **IMK2—A Database-Centric, Web Service Based Architecture for Distributed Resource-Oriented Queries**
  
  Lavinio Cerquetti, Doan Isakos, and Annett Priemel
Web Services Security

Security Support for Mobile Grid Services Framework .................................................................67
Sze-Wing Wong and Kam-Wing Ng

Detection of Parameter Manipulation Using Global Sequence Alignment ........................................75
Jae-Chul Park and Bong-Nam Noh

Access Control on the Composition of Web Services .................................................................81
Weiqin Tong, Junqiang Zhu, and Yu Zhou

Risk Analysis and Protection for WBIS .....................................................................................86
Bingyang Zhou

Drawbacks of Liao et al.’s Password Authentication Scheme .....................................................93
Eun-Jun Yoon and Kee-Young Yoo

Quality of Service, Scalability and Performance

A Constraint Satisfaction Approach to Non-functional Requirements in Adaptive Web Services (not available)... 98
Srinivas Padmanabhi, Bijoy Majumdar, Mobit Chawla, and Ujval Mysore

Supporting QoS Based Selection in Service Oriented Architecture .............................................106
Vikas Deora, Jianhua Shao, Alex Gray, and N.J. Fiddian

Customization, Reusability, Enhancements

Texas Library Directory Web Services Application:
The Potential for Web Services to Enhance Information Access to Legacy Data ..........................113
Fatih Oguz and William Moen

Applying Safe Regression Test Selection Techniques to Java Web Services ..................................119
Feng Lin, Michael Ruth, and Shengyu Yu

Web Services Standards

Automatic Web Services Interactions—Requirements, Challenges and
Limits from the F-WebS System Perspective ..................................................................................127
Witold Abramowicz, Konstanty Haniewicz, Monika Kazmurek, and Dominik Zyskowski

Secure Password Authentication Protocol in Wireless Networks ..................................................133
Eun-Jun Yoon and Kee-Young Yoo
Web Services Applications

A Solution to Intelligent Services Selection ................................................................. 136
  Hongbing Wang, Yifei Wang, Zongwei Luo, and Xun Xu

A Logo Gestalt Based Framework for Brand Services .................................................. 144
  Mario Köppen, Pablo Valle, and Raul Vicente Garcia

A Web Based E-Learning and E-Psychology Modular Environment ........................ 149
  Athanasios Drigas, Leyteris Koukianakis, and Yannis Papagerasimou

Author Index ..................................................................................................................... 155