

Proceedings

International Conference on Next Generation Web Services Practices

NWeSP 2008

20-22 October 2008
Seoul, Korea

In cooperation with
IEEE Computer Society Technical Committee on Electronic Commerce



Los Alamitos,
California

Washington • Tokyo



TABLE OF CONTENTS

Flexible Rule-Based Web Services System for Users' Preferences	1
<i>Okkyung Choi, Sangyong Han</i>	
Representation Design for RESTful Web Services	5
<i>Qingling Wang, Yan Liu</i>	
A Proposed Architecture for Learning Object Selection and Discovery Based on WSMO	10
<i>Mohamed Hanafy, Medhat Fakhry</i>	
Modeling and Specification of Web Services Composition Using UML-S	15
<i>Christophe Dumez, Ahmed Nait-Sidi-Moh, Jaafar Gaber, Maxime Wack</i>	
CINWEGS - An Integrated Web and Grid Services Framework for Collaborative Solutions	21
<i>Deepa Diwakar, Shobha Diwakar</i>	
Dependability of the System Based on Structured Service Collaboration Model	28
<i>Dianfu Ma, Min Liu, Yongwang Zhao, Dou Sun</i>	
Automatic Web Service Composition Considering User Non-functional Preferences	33
<i>Hossein Rahmani, Gholamreza Ghasemsani, Hassan Abolhassani</i>	
Composite Web Service Failure Recovery Considering User Non-functional Preferences	39
<i>Hossein Rahmani, Hassan Abolhassani</i>	
Mediator-Based Distributed Web Services Discovery and Invocation for Infrastructure-Less Mobile Dynamic Systems	46
<i>Abdul Haseeb, Mihhail Matskin, Peep Küngas</i>	
Enhancing Web Service Discovery by Using Collaborative Tagging System	54
<i>Uddam Chukmol, Aïcha-Nabila Benharkat, Youssef Amghar</i>	
Enhancing Web Service Selection by User Preferences of Non-functional Features	60
<i>Youakim Badr, Ajith Abraham, Frédérique Biennier, Crina Grosan</i>	
A Simple Approach to Optimized Text Compression's Performance	66
<i>Tanakorn Wichaiwong, Kitti Koonsanit, Chuleerat Juruskulchai</i>	
Requirement Model-Based Mutation Testing for Web Service	71
<i>Rui Wang, Ning Huang</i>	
QoS Based Ranking for Web Services: Fuzzy Approaches	77
<i>Vuong Xuan Tran, Hidekazu Tsuji</i>	
AADSS: Agent-Based Adaptive Dynamic Semantic Web Service Selection	83
<i>Jing Li, Dianfu Ma, Lusong Li, Hong Zhu</i>	
Ontology Recovery and Visualization	90
<i>Asad Masood Khattak, Khalid Latif, Sharifullah Khan, Nabeel Ahmed</i>	
Automatic Ontology Generation Using Extended Search Keywords	97
<i>Joon Shim, Hongchul Lee</i>	
A Semantic Match Algorithm for Web Services Based on Improved Semantic Distance	101
<i>Gongzhen Wang, Donghong Xu, Yong Qi, Di Hou</i>	
State of the Art in Negotiation Ontologies for Enhancing Business Intelligence	107
<i>Hai Dong, Farookh Khadeer Hussain, Elizabeth Chang</i>	

Semantic Web Technology Using Collective Intelligence of Mobile Social Networks.....	113
<i>Jin Hye Jin, Lee Hong Chul</i>	
A Unified Authentication Framework for Accessing Heterogeneous Web Services	117
<i>Aaron Moss, Sandy Liu, Rene Richard</i>	
Insider Impersonation Attack on a Tripartite ID-Based Authenticated Key Agreement Protocol with Bilinear Pairings.....	123
<i>Meng-Hui Lim, Sanggon Lee, Hoonjae Lee</i>	
Nested Web Service Interface Control Flow Automata.....	129
<i>Xutao Du, Chunxiao Xing, Lizhu Zhou, Zhoujun Li</i>	
Raising Web Service Updates Efficiency with Dynamic Technologies.....	137
<i>Valery Abu-Eid</i>	
Web Service Interface Design for e-Business Application: A Minimalistic Design Approach.....	143
<i>Simon Hong, George Feuerlicht</i>	
X-Mode: A Real Time Approach of Discriminating Wi-Fi Network Impersonators.....	151
<i>Zhiqi Tao, Baikunth Nath, Andrew Lonie</i>	
Wasp: A Multi-agent System for Multiple Recommendations Problem	159
<i>Satchidananda Dehuri, Sung-Bae Cho, Ashish Ghosh</i>	
Design and Implementation of China Digital Ocean Prototype System Framework on the Basis of Web Service Technology.....	167
<i>Wen Dong, Xin Zhang, Wei Wang</i>	
Applying a Systematic Building Block to Project Knowledge Management.....	172
<i>Chia-Hsiang Ma, Ding-Bang Luh, Cheng-Yong Huang</i>	
Smart Data Receiver Mechanism on Air.....	179
<i>Lien-Fa Lin</i>	
An Automatic Approach to Reengineering Common Website with AJAX	185
<i>Qingling Wang, Qin Liu, Na Li, Yan Liu</i>	
Transforming BPEL into Intermediate Format Language for Web Services Composition Testing.....	191
<i>Mounir Lallali, Fatiha Zaidi, Ana Cavalli</i>	
Developing Coordination Strategies Using a Service-Oriented Model-Driven Approach.....	198
<i>Marcos Lopez-Sanz, Carlos E. Cuesta, Esperanza Marcos, Jesus Dominguez</i>	
Author Index	