

Proceedings

# **International Conference on Next Generation Web Services Practices**

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***NWeSP 2008***

Edited by  
Ajith Abraham, Norwegian University of Science and technology, Norway  
Sang Yong Han, Chung-Ang University, Korea

# International Conference on Next Generation Web Services Practices

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***NWeSP 2008***

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# Chairs' Welcome Message

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We are very pleased to welcome our colleagues to the International Conference on Next generation Web Services Practices (NWeSP'08) hosted by Chung-Ang University, Seoul, South Korea. NWeSP'08 is a forum which brings together researchers and practitioners specializing on different aspects of Web based information systems. The inaugural conference will bring together the world's most respected authorities on semantic web, Web based services, Web applications, Web enhanced business information systems, e-education specialists, Information security, and other Web related technologies. NWeSP'08 addresses the following important themes:

- Web Services Architecture, Modeling and Design
- Semantic Web, Ontologies (creation , merging, linking, and reconciliation)
- Database Technologies for Web Services
- Web Services Security
- Quality of Service, Scalability and Performance
- User Interfaces, Visualization and modeling
- Customization, Reusability, Enhancements
- Web Services Standards
- Web Services Applications
- Web Based e-Commerce, e-learning applications
- Home Network
- Grid Based Web Services
- Web Services Intellectual Property

NWeSP'08 is organized in cooperation with the IEEE Computer Society, USA. NWeSP'08 is supported by the IEEE Computer Society's Task force on Electronic Commerce. Each paper was peer reviewed by at least two or more program committee members and based on the recommendations of the reviewers, 35 papers were included in the final Program. We would like to thank the NWeSP'08 international program committee and the additional reviewers for providing the reviews in time. Our special thanks also go to all the plenary speakers for providing the very interesting and informed talks to catalyze subsequent discussions.

Our special thanks to Ms. Silvia Ceballos, of IEEE Computer Society Press, for all the support and help related to the production of this important scientific work. Finally, we would like to express our sincere gratitude to all the authors and local organizing committees that have contributed towards the success of this conference. We look forward to seeing you in Seoul, South Korea during NWeSP'08, October 20-22, 2008.

## **General Chair**

Sang Yong Han, *Chung-Ang University,  
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## **Program Chair**

Ajith Abraham, *Norwegian University of  
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September 10, 2008



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# Plenary Abstracts

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## Visualization of the Web Service Selection

**Vaclav Snasel**

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Faculty of Electrical Engineering and Computer Science,  
VSB-Technical University of Ostrava, Czech Republic

Due to the increasing number of Web services offering similar functionalities; non-functional properties have become essential criteria to visualizing the selection process of services. This talk presents Formal Concept Analysis to manage Web services and generate the concept lattice describing the relationship between them. The concept lattice is able to highlight hierarchy relationships and, in general, to identify commonalities and differences between services. We demonstrate how to express the relationship between Web services using concept lattice effectively and develop algorithms to retrieve Web services accurately in the lattices.