Proceedings of the Joint International Workshop:

- 2013 Linked Data in Practice Workshop (LDPW2013)
- The First Workshop on Practical Application of Ontology for Semantic Data Engineering (PAOS2013)

Co-located with 3rd Joint International Semantic Technology Conference (JIST 2013)
Seoul, Korea, November 30, 2013

Edited by

- Hideaki Takeda (LDPW) *
- Jason J. Jung (LDPW) **
- Kouji Kozaki (PAOS) ***
- Marut Buranarach (PAOS) ****
- Thepchai Supnithi (PAOS) ****

* National Institute of Informatics (NII), Japan
** Yeungnam University, Korea
*** Institute of Scientific and Industrial Research, Osaka University, Japan
**** National Electronics and Computer Technology Center (NECTEC), Thailand

Copyright © 2014 for the individual papers by the papers’ authors. Copying permitted only for private and academic purposes.
2013 Linked Data in Practice Workshop (LDPW2013)

Organizing Committee

- Hideaki Takeda (National Institute of Informatics, Japan)
- Jason J. Jung (Yeungnam University, Korea)

Program Committee

- Christian Bizer (University of Mannheim, Germany)
- Naoki Fukuta (Shizuoka University, Japan)
- Sebastian Hellmann (University of Leipzig, Germany)
- Ryutaro Ichise (National Institute of Informatics, Japan)
- Kouji Kozaki (Osaka University, Japan)
- Shinichi Nagano (Toshiba Cooperation, Japan)
- Claus Stadler (University of Leipzig, Germany)
- Takahira Yamaguchi (Keio University, Japan)

The First Workshop on Practical Application of Ontology for Semantic Data Engineering (PAOS2013)

Organizing Committee

- Thepchai Supnithi (NECTEC, Thailand)
- Marut Buranarach (NECTEC, Thailand)
- Kouji Kozaki (Osaka University, Japan)

Program Committee

- Chutiporn Anutariya (Shinawatra University, Thailand)
- Key-Sun Choi (KAIST, Korea)
- Ronald Denaux (iSOCO, Spain)
- Dimoklis Despotakis (University of Leeds & Blueclaw Ltd., UK)
- Vania Dimitrova (University of Leeds, UK)
- Seiji Koide (National Institute of Informatics, Japan)
- Takeshi Morita (Aoyama Gakuin University, Japan)
- Ekawit Nantjeewarawat (SIIT, Thammasat University, Thailand)
- Ponrudee Netisopakul (KMITL, Thailand)
- Munehiko Sasajima (YMP-Mundus Corporation, Japan)
- Boontawee Suntisrivaraporn (SIIT, Thammasat University, Thailand)
- Dhaval Thakker (University of Leeds, UK)
Preface

The Joint International Workshop: 2013 Linked Data in Practice Workshop (LDPW2013) and the First Workshop on Practical Application of Ontology for Semantic Data Engineering (PAOS2013) took place in Seoul, Korea on November 30, 2013. The event was affiliated with the 3rd Joint International Semantic Technology Conference (JIST2013). Seven submissions (four for LDPW and three for PAOS) were selected based on a rigorous reviewing process. Each submission was reviewed by at least two program committee members. The organizers would like to thank the program committee members for their contribution in carefully reviewing the submissions.

June 2014

Hideaki Takeda
Jason J. Jung
Kouji Kozaki
Marut Buranarach
Thepchai Supnithi
Table of Contents

Linked Data in Practice Workshop (LDPW2013)

- Building DBpedia Japanese and Linked Data Cloud in Japanese
  Fumihiro Kato, Hideaki Takeda, Seiji Koide, Ikki Ohmukai ......................... 1

- An LOD Practice - Lessons and Learned from Open Data METI
  Seiji Koide, Fumihiro Kato, Iwao Kobayashi, Yu Asano, Makoto Iwayama, Tadashi Mima, Takayuki Yamada, Hideaki Takeda, Ikki Ohmukai ........................... 12

- EDI Support with LOD
  Akihiro Fujii, Shusaku Egami, Hiroyasu Shimizu ........................................ 27

- On Implementing a SPARQLoid Query Coding Support -- Vocabulary Discovery for Queries with Weighted Ontology Mappings
  Hiroki Noguchi, Takahisa Fujino, Naoki Fukuta ........................................... 33

Practical Application of Ontology for Semantic Data Engineering (PAOS2013)

- Translation of Various Bioinformatics Source Formats for High-Level Querying
  John Mccloud, Subhasish Mazumdar .......................................................... 39

- Design and Implementation of a Rule-based Recommender Application Framework for the Semantic Web Data
  Thanyalak Rattanasawad, Marut Buranarach, Ye Myat Thein, Thepchai Supnithi, Kanda Runapongsa Saikaew ................................................................. 54

- A Basic Consideration on Ontology Refine Method using Similarity among Is-a Hierarchies
  Takeshi Masuda, Kouji Kozaki ................................................................. 62