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Department of Information System,  
Faculty of Information Technology  
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## **EDUCATION**

*KyungHee University*, Suwon, Korea  
Ph.D. in Computer Sciences, 2008-2012

*KyungHee University*, Suwon, Korea  
Master in Computer Sciences, 2006-2008

*Hanoi University of Science and Technology*, Hanoi, Vietnam  
B.A. in Computer Engineering, 1996-2001

## **RESEARCH INTERESTS**

- Database Oriented Techniques;
- Computational Statistics;
- XML Database;
- Semantic Web Technologies.

## **RESEARCH EXPERIENCE**

- **"Ontology-based Text Mining for Unstructured eHealth Data"**, Microsoft Research Asia, 2011.5 - 2012.4, participant
- **"Development of Multiverse supported Distributed Inference Activity Recognition Middleware"**, Ministry of Knowledge Economy (MKE), 2008.12-2011.11 (3 years), participant

## **TEACHING RESPONSIBILITY**

### **Undergraduate**

- Introduction to Computer, 2002, Nha Trang University, Vietnam.
- "C Programming Language", "Applied Informatics", "SQL", 2002-2006, Nha Trang University, Vietnam.
- Database, 2004, Nha Trang University, Vietnam
- Distributed systems, 2006, Nha Trang University, Vietnam
- Database Management Systems, 2006, Nha Trang University and Tuy Hoa Industrial College, Vietnam.

## **PUBLICATIONS and PRESENTATIONS**

### **Journals**

1. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee, *A Semantic Approach for Transforming XML Data into RDF Ontology*, Wireless Personal Communications, 2013.
2. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee, *Semantic and Structural Similarity Analysis for Integration of Ubiquitous XML Healthcare Data*, Journal of Personal and Ubiquitous Computing, 2012.
3. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee, *S-Trans: Semantic Transformation of XML Healthcare Data into OWL Ontology*, Knowledge-Based Systems, 2012.

### **Presentations**

1. Pham Thi Thu Thuy, Young-Koo Lee, *XML2RDF – Mapping Notations and the Transformation XML into RDF*, Fundamental and Applied IT research (FAIR 2013), Hue University, Vietnam, 7/2013.
2. Phạm Thị Thu Thuy, *Applying Semantic Web Technology to build Intelligence System Supporting Travel Information for Khanh Hoa Province*, Domestic conference “Khanh Hoa Oriented to Hi-Tech”, Khanh Hoa Department of Science and Technology, Nha Trang, 11/2012.
3. Pham Thi Thu Thuy, *XML Data Integration based Similarity Computation – An Approach to Enhance the Data Sharing between Applications*, The 15<sup>th</sup> National Symposium of Selected ICT Problems, Institute of Information Technology, Hanoi, 12/2012
4. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee, Yongkoo Han, *Solution for Duplicate Problem for XML to RDF Conversion*, The 2012 FTRA World Convergence Conference, Jeju, Korea, 11/2012.
5. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee, *R2Sim: A Novel Semantic Similarity Measure for Matching between RDF Schemas*, International Conference on Advanced IT, engineering and Management, Seoul, Korea, 3/2012.

6. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee, Semantic and Structural Similarities between XML Schemas for Integration of Ubiquitous, The 2011 FTRA International Workshop on U-Healthcare Technologies and Services (U-Healthcare 2011), Jeju, Korea, December 12-15, 2011
7. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee, XSD2RDFS and XML2RDF Transformation: a Semantic Approach, The Second International Conference on Emerging Database(EDB 2010), Jeju, Korea, August 30-31, 2010.
8. Pham Thi Thu Thuy, Young-Koo Lee and Sungyoung Lee, DTD2OWL: Automatic Transforming XML Documents into OWL Ontology, ICIS 2009, Seoul, Korea pp.125-131, November 24-26, 2009.
9. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee, Extracting OWL Ontology from XML instances via XML Schema, The The 32nd KIPS and Fall Conference, Korea, 2009.
10. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee, and Byeong-Soo Jeong, Exploiting XML Schema for Interpreting XML Documents as RDF, 2008 International Conference on Services Computing (SCC 2008), Hawaii, USA, July 8-11, 2008
11. Pham Thi Thu Thuy, Young-Koo Lee, Sungyoung Lee and Byeong-Soo Jeong, Transforming Valid XML into RDF via RDF Schema, 3rd International Conference on Next Generation Web Services Practices (NWeSP'07), Seoul, Korea, November, 2007