Published Work

BOOKS AND RESEARCH REPORTS

Latif, A., Scholz, W., Tochtermann, K. (2015). **Science 2.0 – mapping European perspectives**. *Report on the General Stance of Organizations on European Commissions Public Consultation on Science 2.0* Download Link (pdf)

Latif, A.(2011). **Understanding Linked Open Data -For Linked Data Discovery, Consumption, Triplification and Application Development-**,*LAP Lambert Academic Publishing*, ISBN 978-3-8465-9128-4.

REFEREED JOURNAL PUBLICATIONS

Latif, A., Scherp, Ansgar., Tochtermann, K. (2016). **LOD for Library Science: Benefits of Applying Linked Open Data in the Digital Library Setting**, In *KI - Knstliche Intelligenz, Springer Berlin Heidelberg, Volume 30, Issue 2 , pp 149-157* June 2016, DOI: 10.1007/s13218-015-0420-x

Latif, A.(2014). **Exposing data from an Open Access repository for Economics as Linked Data**, In *D-Lib Journal Magazine 20(9/10)*, 2014.

Latif, A. and Tochtermann, K. (2013). **Exploring Scientific Publication and Cross Domain Linked Dataset for Similarity - A Case Study**, In *International Journal of Advancements in Computing Technology*, (ISSN 2005-8039), Vol 5, Issue 11, pp. 179-187, 2013.

Latif, A., Afzal, M. T., Hermann Maurer. (2012). **Weaving Scholarly Legacy Data into Web of Data**, In *Journal of Universal Computer Science*, Vol 18, Issue 16 (2012), pp. 2301-2318, Issue Date: 2012-08-28.

Latif, A. and Tochtermann, K. (2012). **Webbing Semantified Scholarly Communication Datasets for Improved Resource Discovery**, In *Journal of Digital Information Management (JDIM)*, Vol 10, Issue 4 (2012), pp. 245-253, Issue Date: August 2012.

Latif, A., Afzal, M.T., Ussaeed, A., Hoefler, P., Tochtermann, K. (2009). **Harvesting Pertinent Resources from Linked Data**, In *Journal of Digital Information Management (JDIM)*, 8 (3), pp. 205-212, June 2010.

Us Saeed, A., Afzal, M. T., Latif, A., Tochtermann, K. (2010). **Disseminating knowledge through Tags: Recommending Tags for scientific resources**, In *Journal of IT in Asia*, Vol 3 (2010), pp. 25-36, Issue Date: Nov 2010, Print ISSN: 1823-5042.

CONFERENCE PUBLICATIONS

Limani, F., Latif, A., Tochtermann, K. (2016). **Scientific Social Publications for Digital Libraries**, Accepted and to appear In: *Proceedings of 20th International Conference on Theory and Practice of Digital Libraries (, Springer-Verlag in Lecture Notes in Computer Science (LNCS, ISSN 0302-9743).* Hannover, Germany. 5-9 September, 2016.

Hajra, A., Latif, A., Tochtermann, K. (2014). **Retrieving and Ranking Scientific Publications from Linked Open Data Repositories**, In: *ACM Proceedings of 14th International Conference on Knowledge Technologies and Data-driven Business (i-KNOW '14).* Graz, Austria. 16-19 September, 2014. doi: 10.1145/2637748.2638436

Latif, A., Afzal, M.T., Tochtermann, K. (2014). **Automating Property Binding into Informational Aspects from Linked Data**, In: *Proceedings of (International Conference on Advanced Technology and Sciences (ICAT'14).* Antalya, Turkey. 12-15 August, 2014.

Latif, A. and Tochtermann, K. (2013). **Finding Resources in Scholarly Communication and Crossnked Dataset**, In: *Proceedings of (ACM International Conference Proceeding Series (ICPS), ICIPM2013, 8th International Conference on Information Processing and Management*, ISBN 978-1-4503-1783-2. Seoul, Republic of Korea. April 1-3, 2013.

Latif, A., Hoefler, P., Tochtermann, K. (2012). **Interlinking Scientific Authors with the LOD Cloud: A Case Study**, In: *Proceedings of Networked Digital Technologies Communications in Computer and Information Science (NDT 2012)*, Volume 294, pp. 99-108, ISSN: 1865-0929 (Print) 1865-0937 (Online). Dubai, UAE, 24-26, April. 2012. Best Paper Award.

Hajra, A., Radevski, V., Latif, A. (2012). **Enhancing search experience and results using Semantic Web ap extension of search from one scientific repository to another**, In: *Proceedings of the 7th South East European Doctoral Student Conference*, pp. 517-527, Thessaloniki - Greece, 24 - 25 September, 2012.

Latif, A., Hoefler, P., Stocker, A., Ussaeed, A., Wagner, C. (2009). **The Linked Data Value Chain: A Lightweight Model for Business Engineers**, In: *Proceedings of International Conference on Semantic Systems*, pp. 568-576, Graz, Austria, 2-4, Sep. 2009.

Latif, A., Afzal, M.T., Ussaeed, A., Hoefler, P., Tochtermann, K. (2009). **CAF-SIAL: Concept aggregation framework for structuring informational aspeced open data**, In: *Proceedings of International Conference on Networked Digital Technologies*, pp. 100-105, Ostrava, Czech Republic, 28-31, Jul. 2009.

Latif, A., Tanvir, M.T., Hoefler, P., UsSaeed, A., Tochtermann, K.(2009). **Turning keywords into URIs: simplified user interfaces for exploring linked data**, In: *Proceedings of 2nd International Conference on Interaction Sciences: Information Technology, Culture and Human*, Seoul, Korea, 24-26 Nov. 2009.

Latif, A., Afzal, M.T., Tochtermann, K. (2010). **Structing Experts Profiles from Linked Data**, In: *Proceedings of 6th IEEE International Conference on Emerging Technologies (ICET)*, pp. 33-38 , Islamabad, Pakistan, 18-19, Oct. 2010.

Korica-Pehserl, P., Latif, A. (2011). **Meshing Semantic Web and Web 2.0 technologies to construct Profiles: Case Study of Academia Europea Members**, In: *Third International Conference on Networked Digital Technologies (NDT 2011), Communications in Computer and Information Science,* Vol. 136 CCIS (2011), pp. 334-344, Macau, China , 11-13 July 2011.

Sahito, F., Latif, A., Slany, W. (2011). **Weaving Twitter Stream into Linked Data A Proof of concept Framework**, In: *7th International Conference on Emerging Technologies (ICET 2011)*, vol., no., pp.1-6, Islamabad, Pakistan, 5-6, Sep. 2011.

Afzal, M. T., Latif, A., Ussaeed, A., Sturm, P., Aslam, S., Andrews, K., Tochtermann, K., Maurer, H. (2009). **Discovery and Visualization of Expertise in a Scientific Community**, In: *ACM Proceeding of International Conference of Frontiers of Information Technology*, Islamabad, Pakistan, 16-18, Dec. 2009.

Us Saeed, A., Afzal, A., Latif, A., Stocker, A., Tochtermann, K. (2008). **Does Tagging indicate Knowledge Diffusion? An Exploratory Case Study**, In: *ACM Proceedings of International Conference on Convergence and Hybrid Information Technology*, pp. 605 - 610, Busan, Korea, Nov. 11-13, 2008.

Us Saeed, A., Afzal, M. T., Latif, A., Tochtermann, K. (2008). **Citation rank prediction based on bookmark counts: Exploratory case study of WWW06**

papers. In: *Proceedings of IEEE International Multi topic Conference*, pp. 392-397, Karachi, Pakistan, Dec. 23-24, 2008.

OTHER
WORK SHOP
PUBLICATIONS

Latif, A., Afzal, M.T., Helic, D., Tochtermann, K., Maurer, H. (2010). **Discovery and Construction of Authors' Profile from Linked Data (A case study for Open Digital Journal)**, In: *CEUR Workshop Proceedings of WWW'2010 Workshop Linked Data on the Web (LDOW 2010)*, CEUR-WS Vol-628 (2010). Raleigh, North Carolina, USA, April 28, 2010.

DISTINGUISHED
PROJECTS

◇ **EEXCESS: Enhancing Europes eXchange in Cultural Educational and Scientific Resources** *European Unions Funded Project*
- Vision: *Take the content to the user, not the user to the content*
- European Unions Seventh Framework Programme (FP7/20072013) under grant agreement number 600601
- 10 European Union Partner Consortium

EEXCESS Work Package Participation
- **Work Package1: Requirement Definition** Task 1.3 - Continuous monitoring and integrating of research
- **Work Package4: Integration and Enrichment**: Task 4.3 Social data enrichment
- **Work Package7: Test Bed Deployment and Evaluation**: Task 7.1 Design and development of test beds, Task 7.2 Component Integration and Task 7.4 Scholarly Communication: Deployment and Evaluation. Contributed in various Test Bed Deployment Evaluation deliverable of Wordpress Plugin.

◇ **Semantic Representation of EconStor - Open Access Repository for Economics** *Proposed and Implemented*
- Modeled EconStor artifacts i.e. Authors, Papers, Communities and Collections to a semantic representation by reusing popular ontologies.
- Providing more than 1 million bibliographic records as RDF triples. The dataset contains links to well-established external datasets for thesauri in Economics like STW and the JEL classification
- Setup HTML navigation interface and SPARQL endpoint over RDFizied datasets and provide data openly for machine and human consumption as data-dump and for further interlinking.

◇ **CAF-SIAL: Concept Aggregation Framework for Structuring Informational Aspects of Linked Open Data:** *Proposed and Implemented*
- A Linked Data Application consuming Linked Data on the fly for Constructing person's Multi-Aspect Profile
- Application contain innovative Key-Word URI Mapping technique
- Concept Aggregation Framework for organizing similar properties
- An easy to use interface for normal web-users to search in Linked Data datasources.

◇ **Linked Data representation of Journal of Universal Computer Science Bibliography database:** *Proposed and Implemented*
- Modeled J.UCS artifacts i.e. Authors, Papers, Experts and Recommended Tags in to a semantic representation by reusing popular ontologies.
- Locate, identify and disambiguate J.UCS artifacts related information from Linked Data resources i.e. DBpedia and DBLP and Conventional Web services i.e. CiteULike and Faceted DBLP.

- Scribed a D2R server Mapping file for RDFizing J.UCS datasets and interlink them with Linked Data Cloud.
- Setup HTML navigation interface and SPARQL endpoint over J.UCS RDFizied datasets and provide data openly for machine and human consumption.

◇ **Linked Data Profiling Application for the Authors of Journal of Universal Computer Science:** *Proposed and Implemented*

- Locate, identify and disambiguate information of Authors from Linked Data resources i.e. DBpedia and DBLP.
- Organize this information into a profile by using Concept Aggregation Framework into four parts i.e. personal, professional, academics and contributions (publications).
- Provide link of the focused auhtors profile in J.UCS web-server to the Journal user by observing users local context and task at hand.
- Implemented and accessible from J.UCS "Links into Future" external features.

◇ **Expertise finding system for a Digital Journal (Journal of Universal Computer Science:** *Actively Participated and Implemented*

- A multifaceted technique was developed to create the more consolidated expert profile.
- The relevant experts are supplied to the user based on the user current activity and context.
- An extended hyperbolic visualization was developed for journal administration to proactively pick new editors/reviewers who are active researchers in a particular area.
- Furthermore, relevant experts are pushed to readers of journal by observing users local context and task at hand.
- Implemented and accessible from J.UCS "Links into Future" external features.

◇ **Tags recommendation system for papers of Journal of Universal Computer Science:** *Actively Participated and Implemented*

- Data mining and consolidation of CiteULike dataset for Tag recommendation, by collecting tags which matched with the Author provided papers keywords.
- On viewing a paper in J.UCS environment, a list of most relevant tags (related to the focus of the current paper) from CiteULike are shown to users.
- Specifically designed to help users in getting more additional resources to increase Knowledge Discovery.
- Implemented and accessible from J.UCS "Links into Future" external features.

◇ **Information Seeking Through Visual Interfaces:** *Proposed and Implemented*

- Research and development project, to provide a visual interface for Digital Library papers.
- A hyperbolic tree was implemented which visualize the papers in topical hierarchy of ACM and provide users with interactive features for navigation in between paper classification and using papers.
- Developed by using Jdk 1.5, Hyperbolic Library and XML.

◇ **Polynomial Equation Solver:** *Proposed and Implemented*

- Polynomial Equation Solver was research and development project Interactive for Students and Teachers, which offers real and imaginary roots of any order polynomial Equation.
- Developed by using VB 6.0, MS Access, Adobe Image Styler, Adobe Flash.

◇ **Fidan Limani**

PhD Student   **South East European University - Tetovo, Tetovo, Macedonia**

- **PhD Topic:** Enrichment of Scientific Libraries content with Web 2.0 resources (Blogs and Wikis) for enhancement of user search experience.

◇ **Arben Hajra**

PhD Student   **South East European University - Tetovo, Tetovo, Macedonia**

- **PhD Topic:** Enhancing Scholarly communication results and search experience by interlacing relevant Scientific Repositories.

- *PCA*:Journal of Progress in Computing Applications
- *JCIT*: Journal of Convergence Information Technology.
- *DCCSIT 2014*: Doctoral Conference on Computer Science and Information Technologies.Tetovo, Republic of Macedonia. 25-27 June, 2014.
- *ICET-2013*: 9th International Conference on Emerging Technologies, Islamabad, Pakistan.
- *PriSeT*: 1st International Workshop on Privacy in Semantic Technologies (PriSeT) co-located with the K-CAP 2013 conference in Banff, Canada.
- *NISS 2011*: 5th International Conference on New Trends in Information Science and Service Science.
- *INC 2011*: 7th International Conference on Networked Computing.
- *ICIS 2011*: The 4th International Conference on Information Sciences and Interaction Sciences.
- *NCM 2011*: 7th International Conference on Networked Computing and Advanced Information Management.
- *IDC 2011*: 7th International Conference on Digital Content, Multimedia Technology and its Applications.
- *ICCIT 2011*: 6th International Conference on Computer Sciences and Convergence Information Technology.
- *NISS 2010*: 4th International Conference on New Trends in Information Science and Service Science.
- *INC 2010*: 6th International Conference on Networked Computing.
- *ICIS 2010*: The 3rd International Conference on Information Sciences and Interaction Sciences.
- *NCM 2010*: 6th International Conference on Networked Computing and Advanced Information Management.
- *IDC 2010*: 6th International Conference on Digital Content, Multimedia Technology and its Applications.
- *ICCIT 2010*: 5th International Conference on Computer Sciences and Convergence Information Technology.

- **Attended** Conference *Science 2.0* , Hamburg, Germany. 25-26, March. 2015.
- **Attended** Conference *Science 2.0* , Hamburg, Germany. 26-27, March. 2014.
- **Attended** Workshop *"How to write a competitive proposal for Horizon 2020 by Dr. Sean McCarthy, Managing Director, Hyperion Ltd"* organized by Deutsches Institut fr Wirtschaftsforschung (DIW) in Berlin , Berlin, Germany, 22, October. 2013.

- **Presented** paper titled *"Interlinking Scientific Authors with the LOD Cloud: A Case Study"* at Networked Digital Technologies Communications in Computer and Information Science (NDT 2012) organized by Canadian University of Dubai, Dubai, UAE, 24-26, April. 2012.
- **Presented** paper titled *"Constructing Experts Profiles from Linked Data"* at IEEE International Conference on Emerging Technologies 2010 (ICET 2010)organized by (FAST-NUCES), October 18-19, 2010, Islamabad, Pakistan.
- **Presented** paper titled *"Discovery and Construction of Authors' Profile from Linked Data (A case study for Open Digital Journal)"* at WWW'2010 Workshop Linked Data on the Web (LDOW 2010), April 26-30, 2010, Raleigh, North Carolina, USA.
- **Presented** paper titled *"Discovery and Visualization of Expertise in a Scientific Community"* at International Conference on Frontiers of Information Technology, December 16-18 2009, Abbottabad, Pakistan.
- **Presented** paper titled *"Turning keywords into URIs: simplified user interfaces for exploring Linked Data"* at 2nd International Conference on Interaction Sciences: Information Technology, Culture and Human, November 24-26, 2009, Seoul, Korea.
- **Presented** paper titled *"The Linked Data Value Chain: A Lightweight Model for Business Engineers"* at I-SEMANTICS, the 4th international conference on semantic systems, September 2-4, 2009, Graz, Austria.
- **Presented** paper titled *"CAF-SIAL: Concept aggregation framework for structuring informational aspects of Linked Open Data"* at First International Conference on Networked Digital Technologies(NDT 2009), July 29-31, 2009, Ostrava, Czech Republic.
- **Attended** 10th International Conference on Knowledge Management and Knowledge Technologies, September 1-3, 2010, Graz, Austria.
- **Attended** I-SEMANTICS, the 6th international conference on semantic systems, September 1-3, 2010, Graz, Austria.
- **Attended** 9th International Conference on Knowledge Management and Knowledge Technologies, September 2-4, 2009, Graz, Austria.
- **Attended**First Vienna Semantic Web Meetup Vienna, July 16, 2009, Vienna, Austria.
- **Attended** Web of Data Practitioners Days Vienna, October 22-23, 2008, Vienna, Austria.
- **Attended** 8th International Conference on Knowledge Management and Knowledge Technologies, September 3-5, 2008, Graz, Austria.

CHAIRING SERVICES

- **Chaired** Day 3 Paper Session (10:45 - 12:30) at SWIB conference (Semantic Web in Libaries) (SWIB 2012). Cologne, Germany, 26 - 28 November 2012..
- **Chaired** Collaborative Systems for e-Sciences Session (Full Paper track) at Networked Digital Technologies Communications in Computer and Information Science (NDT 2012).
- **Chaired** Poster Session at I-Know 09 and I-Semantic 09.
- **Chaired** Poster Session at I-Know 08.
- **Organized** DAWN Group of Newspapers' Circulation Desk that was set up at the Quaid-i-Azam University, Islamabad on March 28-29.

ORGANIZING SERVICES

- **Organized** DCCSIT 2014: Doctoral Conference on Computer Science and Information Technologies . Tetovo, Republic of Macedonia. 25-27 June, 2014.
- **Organized and Moderated** SWIB13 PhD Workshop at SWIB conference (Semantic Web in Libaries) (SWIB 2013) Hamburg, Germany, 25 - 27 November 2013.
- **Organized and Moderated** ZBW - International PhD Workshop 2013 at ZBW German National Library of Economics Leibniz Information Centre for Economics Kiel, Germany, 22nd January, 2013.
- **Organized and Moderated** SWIB12 PhD Workshop at SWIB conference (Se-

mantic Web in Libaries) (SWIB 2012) Cologne, Germany, 26 - 28 November 2012.

- **Organized and Moderated** ZBW - First International PhD Summer School 2012 Two Workshops (How to start my PhD and How to end my PhD) at ZBW German National Library of Economics Leibniz Information Centre for Economics Kiel, Germany, 29th May - 1st June, 2012.
- **Organized** DAWN Group of Newspapers' Circulation Desk that was set up at the Quaid-i-Azam University, Islamabad on March 28-29.

AWARDS   Best Paper Award

- Won Best Paper Award at Networked Digital Technologies Communications in Computer and Information Science (NDT 2012) Dubai, UAE, 24-26, April. 2012.

Ph.D. Scholarship

- Ph.D. Scholarship in the cooperation with Centre for International Cooperation and Mobility-OeAD, Austria, 2008 - 2011