

Curriculum Vitae et Studiorum

1. Personal Data

Name	Weronika T. Adrian
Current Position	Postdoctoral researcher at University of Calabria, Department of Mathematics and Computer Science
E-mail	w.adrian@mat.unical.it
Homepage	http://wtadrian.eu

2. Degrees

Date	School/Institution/University, Degree
July 2017	University of Calabria; Doctor of Philosophy in Mathematics and Computer Science
June 2009	AGH University of Science and Technology; Master of Science in Applied Computer Science

3. Education

Period	Institution/University, Course
2014 – 2017	University of Calabria; PhD Studies in Mathematics and Computer Science
2011	Stanford Center for Professional Development, Stanford University; Science Management and Commercialization; a course designed for the “Top 500 Innovators” program
2010 – 2011	Dominican Studies of Philosophy and Theology
2004 – 2009	AGH University of Science and Technology in Kraków; BSc+MSc studies in Applied Computer Science
2000 – 2004	I Nowodworski High School in Cracow; math–science–computer science class profile
1992 – 2000	Comprehensive Primary Music School in Cracow; main instruments: piano and percussion

4. University Curriculum

PhD thesis: “Ontology-driven Information Extraction”
supervised by Prof. Nicola Leone and Prof. Marco Manna

Abstract:

Information Extraction consists in obtaining structured information from unstructured and semi-structured sources. Existing solutions use advanced methods from the field of Natural Language Processing and Artificial Intelligence, but they usually aim at solving sub-problems of IE, such as entity recognition, relation extraction or co-reference resolution. However, in practice, it is often necessary to build on the results of several tasks and arrange them in an intelligent way. Moreover, nowadays, Information Extraction faces new challenges related to the large-scale collections of documents in complex formats beyond plain text. An apparent limitation of existing works is the lack of uniform representation of the document analysis from multiple perspectives, such as semantic annotation of text, structural analysis of the document layout and processing of the integrated knowledge. The recent proposals of ontology-based Information Extraction do not fully exploit the possibilities of ontologies, using them only as a reference model for a single extraction method, such as semantic annotation, or for defining the target schema for the extraction process. In this thesis, we address the problem of Information Extraction from homogeneous collections of documents i.e., sets of files that share some common properties with respect to the content or layout. We observe that interleaving semantic and structural analysis can benefit the results of the IE process and propose an ontology-driven approach that integrates and extends existing solutions. The contributions of this thesis are of theoretical and practical nature. With respect to the first, we propose a model and a process of Semantic Information Extraction that integrates techniques from semantic annotation of text, document layout analysis, object-oriented modeling and rule-based reasoning. We adapt existing solutions to enable their integration under a common ontological view and advance the state-of-the-art in the field of semantic annotation and document layout analysis. In particular, we propose a novel method for automatic lexicon generation for semantic annotators, and an original approach to layout analysis, based on common labels identification and structure recognition. We design and implement a framework named KnowRex that realize the proposed methodology and integrates the elaborated solutions.

MSc thesis: “Visual Rule Design Methods for Semantic Web Applications”
supervised by Prof. Grzegorz J. Nalepa

Abstract:

The goal of the work presented in this thesis is to enable well-founded methodologies developed for rule-based systems to work for Semantic Web applications. In particular, this includes visual rule design methods developed within the HeKatE project. The aim of the research is to allow using of the XTT2 rule design framework for the Semantic Web. This would open up possibility to use the visual design tools for XTT2 for the design of the Semantic Web rules, as well as exploit the existing verification solutions. The primary goal of this thesis is to lay the foundations for an integration of the HeKatE methodology and the Semantic Web. The secondary goal is to consider translations of the rules, based on the concept of serialization, and thus allow for the rule interchange between HeKatE and the Semantic Web applications. In this thesis a proposal of a new inference scheme for the Semantic Web is formulated. A bridging theory and a transition proposal between Description Logics and Attributive Logic is presented in a form of a new rule language. The proposal is then evaluated and illustrated with an example. The approach based on the idea of knowledge serialization and rule interchange is discussed. Translators between different rule formats are presented, analyzed and evaluated.

5. Grants and Awards

Period/Date	Grant/Award
2014-2017	MIUR Scholarship for the PhD studies
2013	AGH UST research grant for young scientists
2013	AGH-UST Rector's Prize for Dydactic Achievements in 2012 for the organization of the Engineering of Intelligent Systems (EIS) program in computer science (Team Award)
2012	AGH UST research grant for young scientists
2011	AGH UST research grant for young scientists
2009	Best paper award at the ICCCI2009, together with Grzegorz J. Nalepa, for the paper Proposal of a New Rule-based Inference Scheme for the Semantic Web Applications, published in "New Challenges in Computational Collective Intelligence Series: Studies in Computational Intelligence", Vol. 244, Nguyen, Ngoc Thanh; Katarzyniak, Radoslaw; Janiak, Adam (Eds.), Springer, 2009.
2009	Distinction by Polish Information Processing Society in the XXVI Contest for The Best M.Sc. Thesis in Computer Science, for my MSc Thesis entitled Visual Rule Design Methods for Semantic Web Applications supervised by Grzegorz J. Nalepa

6. Professional Experience

Period	Employer, Job profile
Sep 2017 – present	Postdoctoral researcher at University of Calabria
Mar 2017 – present	Teaching assistant at University of Calabria
2009 – 2017 (on a leave since 2014)	Research and teaching assistant at Institute of Applied Computer Science, (previously: Computer Science Laboratory in Institute of Automatics), AGH University of Science and Technology in Kraków.
Jan 2013 – Jun 2013	Lecturer at Institute of Philosophy, Jagiellonian University in Kraków; "Creativity Workshop" course for philosophy and cognitive science students
Jan 2013 – Mar 2013	Researcher in Nitarch company; SPiN - Skuteczny Przedsiębiorca i Naukowiec program for fostering entrepreneurship among scientists
Jan 2011 – Jun 2011	Researcher in Softhis company (introducing the Semantic Web concepts to the employees and analyzing the possibilities of integrating semantic technologies into the company system); Wiedza i Praktyka POKL programme for scientists-business cooperation (coordinated by MARR SA)

Oct 2009 – Sep 2010	Lecturer at postgraduate studies at ZOD AGH in Mielec; it2edu POKL program preparing IT and engineering staff for teaching their professional subjects
Oct 2008 – Jun 2009	Research and teaching assistant intern in Computer Science Laboratory in Institute of Automatics, AGH University of Science and Technology
Aug 2008 – Sep 2008	Web developer, programmer (php, mysql, ajax, js, html, css) in Team International (internship); HolidayCheck AG in Bottighofen, Switzerland
Sep 2006 – Jan 2008	ICT and Computer Science teacher at International School of Kraków
Sep 2006 – Jun 2007	Network administrator , International School of Kraków

7. Teaching Experience

List courses and the respective teaching role.

1. Intelligent Systems [EN] → teaching laboratory classes, 1st and 2nd year of Master studies in Computer Science (Unical)
2. Introduction to Unix/GNU/Linux [PL] → teaching laboratory classes, 1st year of undergraduate CS studies (AGH UST)
3. Algorithms and Data Structures [PL] → program preparation, teaching classes, 1st year of undergraduate CS studies (AGH UST)
4. Operating Systems [PL] → program preparation, teaching laboratory classes, 3rd year of undergraduate CS studies (AGH UST)
5. Knowledge Engineering Basics [PL] → teaching laboratory classes, 1st year of graduate CS studies (AGH UST)
6. Languages of Artificial Intelligence [PL] → teaching laboratory classes, 1st year of graduate Automatics and Robotics studies (AGH UST)
7. Semantic web Technologies [EN] → syllabus and program preparation, teaching laboratory classes, lecturing, 2nd year of graduate CS studies (AGH UST)
8. Creativity Workshop [PL] → syllabus and program preparation, teaching classes, 1st year of graduate CS studies (AGH UST)
9. Creativity Workshop [PL] → syllabus and program preparation, teaching classes and lecturing, philosophy and cognitive science studies (UJ)
10. Information Technology [PL] (Web Development, Databases, Office software and more) → syllabus and program preparation, teaching classes, lecturing, supervision of diploma theses, postgraduate studies (AGH UST)
11. Computer Science (Web Development, Programming in Java) [EN] → teaching classes, high school (International School of Kraków)

12. Information and Communication Technology [EN] → syllabus and program preparation, teaching classes, middle-school, primary school, preschool, nursery (International School f Kraków)

8. Participation in Projects

Period	Project	Contribution
2017 – present	“ S2BDW ”: Smarter solutions in the Big Data World, (n. F/050389/01-03/X32), ``HORIZON2020" PON I&C 2014-2020.	Proposal of an ASP-based Stream Reasoning framework
2014 – 2017	“ KnowRex : Un sistema per il riconoscimento e l'estrazione di conoscenza”, POR Calabria FESR 2007-2013	Definition of the extended language of semantic descriptors, design and implementation of system Graphical User Interface, implementation tasks within the project
2012 – 2015	“ Prosecco : Processes, Semantics and Collaboration for Companies”, NCBiR grant PBS1/B3/12/2012	Ontology engineering (knowledge acquisition, design and implementation of an ontology for SME (Small and Medium Enterprises)
2009 – 2015	“ INDECT : Intelligent information system supporting observation, searching and detection for security of citizens in urban environment”, EU FP7-218086	Collaborative knowledge engineering methods, technical support with prototype systems
2010 – 2012	“ BIMLOQ : Business Models Optimization for Quality”, MNiSW grant no. N516 422338	Collaborative knowledge engineering with semantic wikis
2007 – 2009	“ HeKatE : Hybrid Knowledge Engineering”, MNiSW grant no. N516 024 32/2878	Semantic Web technologies, integrating Attributive Logic and Description Logics, integrating HeaRT rule engine with Pellet ontology reasoner

9. Publications

Journal articles:

1. **Weronika T. Adrian, Mario Alviano, Francesco Calimeri, Bernardo Cuteri, Carmine Dodaro, Wolfgang Faber, Davide Fuscà, Nicola Leone, Marco Manna, Simona Perri, Francesco Ricca, Pierfrancesco Veltri, Jessica Zangari. The ASP System DLV: Advancements and Applications. KI 32(2-3): 177-179, 2018.**
2. Szymon Bobek, Grzegorz J. Nalepa, Antoni Ligeza, Weronika T. Adrian, and Krzysztof Kaczor. Mobile context-based framework for threat monitoring in urban environment with social threat monitor. *Multimedia Tools Appl.*, 75(17):10595-10616, 2016.
3. D. Wilk-Kołodziejczyk, A.S. Kluska-Nawarecka, K. Regulski, W. T. Adrian, K. Jaśkowiec. Austempered ductile iron manufacturing data acquisition process with the use of semantic techniques. *Archives of Metallurgy and Materials / Polish Academy of Sciences. Committee of Metallurgy. Institute of Metallurgy and Materials Science; ISSN 1733-3490. vol. 61 iss. 4, pp. 2117–2122, 2016.*
4. K. Regulski, D. Wilk-Kołodziejczyk, G. Rojek, S. Kluska-Nawarecka, W.T. Adrian. Application of ALSV(FD) logic and XTT knowledge representation in the range of ADI properties. *Archives of Foundry Engineering / Polish Academy of Sciences. Commission of Foundry Engineering; ISSN 1897-3310. vol. 16 iss. 2, pp. 75–78, 2016.*
5. Grzegorz J. Nalepa and Weronika T. Furmańska. Integration proposal for description logic and attributive logic – towards semantic web rules. *Trans. Computational Collective Intelligence*, 2:1-23, 2010.
6. Grzegorz J. Nalepa, Krzysztof Sarapata, Weronika T. Furmanska, Pawel Gora, Krzysztof Kluza, and Marta Noga. Diki – proposal of a heterogeneous semantic wiki system for nutritionists. *Bio-Algorithms and Med-Systems*, 6(12-S):143, 2010.

Contributions in conference proceedings:

1. **Weronika T. Adrian, Marco Manna. Navigating Online Semantic Resources for Entity Set Expansion. In International Symposium on Practical Aspects of Declarative Languages, 170-185, 2018.**
2. **Weronika T. Adrian, Marco Manna, Nicola Leone, Giovanni Amendola, and Marek Adrian. Entity set expansion from the Web via ASP. In International Conference on Logic Programming, OASICS-OpenAccess Series in Informatics 58, 2017.**

3. **Weronika T. Adrian, Nicola Leone, Marco Manna, and Cinzia Marte. Document layout analysis for semantic information extraction. In 16th International Conference of the Italian Association for Artificial Intelligence, 2017.**
4. D. Wilk-Kołodziejczyk, I. Olejarczyk-Woźeńska, W. Adrian, K. Regulski, G. Rojek, S. Kluska-Nawarecka. Semi-automatic data linkage and acquisition process for the preparation of Austempered Ductile Iron. WFC2016 : the 72nd World Foundry Congress : May 21–25, 2016, Nagoya, Japan : proceedings.
5. **Weronika T. Adrian, Nicola Leone, and Marco Manna. Semantic views of homogeneous unstructured data. In Balder ten Cate and Alessandra Mileo, editors, Web Reasoning and Rule Systems - 9th International Conference, RR 2015, Berlin, Germany, August 4-5, 2015, Proceedings, volume 9209 of Lecture Notes in Computer Science, pages 19-29. Springer, 2015.**
6. **Weronika T. Adrian, Nicola Leone, Antoni Ligęza, Marco Manna, and Mateusz Ślaziński. Constraint optimization production planning problem. A note on theory, selected approaches and computational experiments. In Leszek Rutkowski, Marcin Korytkowski, Rafal Scherer, Ryszard Tadeusiewicz, Lot A. Zadeh, and Jacek M. Zurada, editors, Artificial Intelligence and Soft Computing - 14th International Conference, ICAISC 2015, Zakopane, Poland, June 14-28, 2015, Proceedings, Part II, volume 9120 of Lecture Notes in Computer Science, pages 541-553. Springer, 2015.**
7. Weronika T. Adrian, Mateusz Ślaziński, Antoni Ligęza. Constraint optimization for production planning: a note on selected tools and numerical experiments // W: KU KDM 2015: eighth ACC Cyfronet AGH users' conference: Zakopane 11–13 Mar 2015: proceedings / eds. Kazimierz Wiatr, Jacek Kitowski, Marian Bubak. — Kraków: Academic Computer Centre Cyfronet AGH, 2015. — ISBN: 978-83-61433-12-5. — pp. 33–34.
8. Weronika T. Adrian, Antoni Ligęza, and Grzegorz J. Nalepa. Inconsistency handling in collaborative knowledge management. In Maria Ganzha, Leszek A. Maciaszek, and Marcin Paprzycki, editors, Proceedings of the 2013 Federated Conference on Computer Science and Information Systems, Krakow, Poland, September 8-11, 2013., pages 1221-1226, 2013.
9. Weronika T. Adrian, Grzegorz J. Nalepa, and Antoni Ligęza. Usefulness of inconsistency in collaborative knowledge authoring in semantic wiki. In Andrzej M. J. Skulimowski and Janusz Kacprzyk, editors, Knowledge, Information and Creativity Support Systems: Recent Trends, Advances and Solutions - Selected Papers from KICSS'2013 - 8th International Conference on Knowledge, Information, and Creativity Support Systems, November 7-9, 2013, Krakow, Poland, volume 364 of Advances in Intelligent Systems and Computing, pages 13-25. Springer, 2013.
10. Weronika T. Adrian, Grzegorz J. Nalepa, and Antoni Ligęza. On potential usefulness of inconsistency in collaborative knowledge engineering. In Proceedings of the 8th International Conference on Knowledge, Information and Creativity Support Systems, 2013.

11. Szymon Bobek, Grzegorz J. Nalepa, and Weronika T. Adrian. Mobile context-based framework for monitoring threats in urban environment. In Andrzej Dziech and Andrzej Czyżewski, editors, *Multimedia Communications, Services and Security: 6th International Conference, MCSS 2013: Kraków, Poland. June 6-7, 2013. Proceedings*, volume 368 of *Communications in Computer and Information Science*. Springer Berlin Heidelberg, 2013.
12. Joanna Pniewska, Weronika T. Adrian, and Anna Czerwoniec. Prototyping: is it a more creative way for shaping ideas. In Marcin Sikorski and Krzysztof Marasek, editors, *MIDI - Multimedia, Interaction, Design and Innovation, MIDI '13, Warsaw, Poland, June 24-25, 2013*, pages 18:1-18:8. ACM, 2013.
13. Grzegorz J. Nalepa, Weronika T. Adrian, Szymon Bobek, and Piotr Maślanka. Combining ACEWiki with a CAPTCHA system for collaborative knowledge acquisition. In *IEEE 24th International Conference on Tools with Artificial Intelligence, ICTAI 2012, Athens, Greece, November 7-9, 2012*, pages 405-410. IEEE Computer Society, 2012.
14. Weronika T. Adrian, Przemysław Ciężkowski, Krzysztof Kaczor, Antoni Ligęza, and Grzegorz J. Nalepa. Web-based knowledge acquisition and management system supporting collaboration for improving safety in urban environment. In Andrzej Dziech and Andrzej Czyżewski, editors, *Multimedia Communications, Services and Security: 5th International Conference, MCSS 2012: Kraków, Poland. May 31-June 1, 2012. Proceedings*, volume 287 of *Communications in Computer and Information Science*, pages 1–12, 2012.
15. Weronika T. Adrian, Jarosław Waliszko, Antoni Ligęza, Grzegorz J. Nalepa, and Krzysztof Kaczor. Description logic reasoning in an ontology-based system for citizen safety in urban environment. In Eunika Mercier-Laurent [et al.], editor, *AI4KM 2012: 1st international workshop on Artificial Intelligence for Knowledge Management at the biennial European Conference on Artificial Intelligence (ECAI 2012): August 28, 2012, Montpellier, France*, pages 63–67, 2012.
16. Weronika T. Adrian, Antoni Ligęza, Grzegorz J. Nalepa, and Krzysztof Kaczor. Distributed and collaborative knowledge management using an ontology-based system. In Eunika Mercier-Laurent and Danielle Boulanger, editors, *Artificial Intelligence for Knowledge Management - First IFIP WG 12.6 International Workshop, AI4KM 2012, Held in Conjunction with ECAI 2012, Montpellier, France, August 28, 2012, Revised Selected Papers*, volume 422 of *IFIP Advances in Information and Communication Technology*, pages 112-130. Springer, 2012.
17. Antoni Ligęza, Weronika T. Adrian, and Przemysław Ciężkowski. Towards collaborative knowledge engineering for improving local safety in urban environment. In Joaquin Canadas, Grzegorz J. Nalepa, and Joachim Baumeister, editors, *8th Workshop on Knowledge Engineering and Software Engineering (KESE2012) at the at the biennial European Conference on Artificial Intelligence (ECAI 2012): August 28, 2012, Montpellier, France*, pages 58–61, 2012.
18. Antoni Ligęza, Krzysztof Kluza, Grzegorz J. Nalepa, Weronika T. Adrian, and Tomasz Potempa. Artificial intelligence for knowledge management with BPMN and rules. In Eunika Mercier-Laurent

- [et al.], editor, AI4KM 2012 : 1st international workshop on Artificial Intelligence for Knowledge Management at the biennial European Conference on Artificial Intelligence (ECAI 2012): August 28, 2012, Montpellier, France, pages 27–32, 2012.
19. Szymon Bobek and Weronika T. Adrian. Context awareness in learning human habits. In ICSEA 2012 : the seventh International Conference on Software Engineering Advances, page 98-101, 2012.
 20. Weronika T. Adrian, Szymon Bobek, Grzegorz J. Nalepa, Krzysztof Kaczor, and Krzysztof Kluza. How to reason by heart in a semantic knowledge-based wiki. In IEEE 23rd International Conference on Tools with Artificial Intelligence, ICTAI 2011, Boca Raton, FL, USA, November 7-9, 2011, pages 438-441. IEEE Computer Society, 2011.
 21. Weronika T. Adrian and Grzegorz J. Nalepa. Loki – presentation of logic-based semantic wiki. In Joaquin Canadas, Grzegorz J. Nalepa, and Joachim Baumeister, editors, 7th Workshop on Knowledge Engineering and Software Engineering (KESE2011) at the Conference of the Spanish Association for Artificial Intelligence (CAEPIA 2011): November 10, 2011, La Laguna (Tenerife), Spain, page 52, 2011.
 22. Antoni Ligęza, Weronika T. Adrian, Sebastian Ernst, Grzegorz J. Nalepa, Marcin Szyrka, Micha Czapko, Paweł Grzesiak, and Marcin Krzych. Prototypes of a web system for citizen provided information, automatic knowledge extraction, knowledge management and gis integration. In Andrzej Dziech and Andrzej Czyżewski, editors, Multimedia Communications, Services and Security, volume 149 of Communications in Computer and Information Science, pages 268–276. Springer Berlin Heidelberg, 2011.
 23. Jarosław Waliszko, Weronika T. Adrian, and Antoni Ligęza. Traffic danger ontology for citizen safety web system. In Andrzej Dziech and Andrzej Czyżewski, editors, Multimedia Communications, Services and Security, volume 149 of Communications in Computer and Information Science, pages 165–173. Springer Berlin Heidelberg, 2011.
 24. Grzegorz J. Nalepa and Weronika T. Furmańska. Pellet-heart - proposal of an architecture for ontology systems with rules. In R. Dillmann, J. Beyerer, Uwe D. Hanebeck, and Tanja Schultz, editors, KI 2010: Advances in Artificial Intelligence, 33rd Annual German Conference on AI, Karlsruhe, Germany, September 21-24, 2010. Proceedings, volume 6359 of Lecture Notes in Computer Science, pages 143-150. Springer, 2010.
 25. Grzegorz J. Nalepa and Weronika T. Furmańska. Proposal of a new rule-based inference scheme for the semantic web applications. In Ngoc Thanh Nguyen, Radosław Katarzyniak, and Adam Janiak, editors, New Challenges in Computational Collective Intelligence [selected papers from the 1st International Conference on Collective Intelligence - Semantic Web, Social Networks & Multiagent Systems, ICCCI 2009], volume 244 of Studies in Computational Intelligence, pages 15-26. Springer, 2009.
 26. Weronika T. Furmańska and Grzegorz J. Nalepa. Design process ontology – approach proposal. In Joachim Baumeister and Grzegorz J. Nalepa, editors, 5th Workshop on Knowledge Engineering and

Software Engineering (KESE2009) at the 32nd German conference on Artificial Intelligence: September 15, 2009, Paderborn, Germany, pages 25–32, Germany, 2009.

27. Weronika T. Furmańska and Grzegorz J. Nalepa. Nowe metody reprezentacji reguł dla sieci semantycznej. In Adam Grzech and et al., editors, *Inżynieria Wiedzy i Systemy Ekspertowe, Problemy Współczesnej Nauki, Teoria i Zastosowania. Informatyka*, pages 265–275, Warszawa, 2009. Akademicka Oficyna Wydawnicza EXIT.

Other types of publications:

1. **Weronika T. Adrian, Nicola Leone, and Marco Manna. *Ontology-driven information extraction. CoRR, abs/1512.06034, 2015.***
2. Kluza, K., Adrian, W. T., Bobek, S., & Nalepa, G. J. (2013). Semantic Wiki environment for modeling and evaluation of business processes supporting collaboration and mobility. In L. Kiełtyka (Ed.), (pp. 63-79). Towarzystwo Naukowe Organizacji i Kierownictwa: Stowarzyszenie Wyższej Użyteczności „DOM ORGANIZATORA”
3. Szymon Bobek, Krzysztof Kaczor, Krzysztof Kluza, and Weronika T. Adrian. Edycja i kontrola jakości wiedzy w systemach regułowych. In Małgorzata Pakowska, editor, *Wiedza i komunikacja w innowacyjnych organizacjach, Prace Naukowe Uniwersytetu Ekonomicznego w Katowicach*, pages 11–29, 2011.
4. Krzysztof Kluza, Weronika T. Adrian, Antoni Ligęza, Grzegorz J. Nalepa, Marcin Szyrka, Krzysztof Kaczor, and Szymon Bobek. Metody modelowania, oceny jakości oraz weryfikacji reguł i procesów biznesowych. In Małgorzata Pakowska, editor, *Wiedza i komunikacja w innowacyjnych organizacjach, Prace Naukowe Uniwersytetu Ekonomicznego w Katowicach*, pages 182–207, 2011.
5. Weronika T. Adrian. Knowledge representation, modelling and processing in modern semantic systems. *PAR Pomiar Automatyka Robotyka*, 15(12):223–225, 2011. ISSN 1427-9126.
6. Weronika T. Adrian, Grzegorz J. Nalepa, Krzysztof Kaczor, and Marta Noga. Overview of selected approaches to rule representation on the Semantic Web. Technical Report CSLTR 2/2010, AGH University of Science and Technology, 2010.
7. Szymon Bobek, Weronika T. Furmańska, Krzysztof Kaczor, Krzysztof Kluza, Agata Ligęza, Antoni Ligęza and Grzegorz J. Nalepa. HeKatE: Hybrydowe podejście do inżynierii systemów ekspertowych: metodologia, projektowanie, narzędzia. In Jerzy Gołuchowski and Barbara Filipczyk, editors, *Wiedza i komunikacja w innowacyjnych organizacjach: systemy ekspertowe – wczoraj, dziś, jutro, Prace Naukowe Uniwersytetu Ekonomicznego w Katowicach*, pages 57–68. Katowice: Wydawnictwo Uniwersytetu Ekonomicznego, 2010. ISBN 978-83-7246-601-3.
8. Grzegorz J. Nalepa and Weronika T. Furmańska. Review of semantic web technologies for GIS. *Automatyka: półrocznik Akademii Górniczo-Hutniczej im. Stanisława Staszica w Krakowie*, 13(2):485–492, 2009.

9. Weronika T. Furmańska and Grzegorz J. Nalepa. Review of selected Semantic Web technologies. Technical Report CSLTR 6/2009, AGH University of Science and Technology, 2009.

10. Other

Job-related skills:

- experience in research and other scientific activities
- experience in teaching on a university level, as well as K-12 level
- experience in mentoring students
- fluent communication in English, ability to present ideas
- ability to cooperate in a team, to listen and build on others' ideas
- practical knowledge of creativity techniques for individual and team work

Organisational / managerial skills: I *co-founded* a Creativity and Innovation Lab Foundation (FLIK, <http://flik.org.pl>) in 2014 that was formed out of an informal group called "Creative Cracow", established in 2012, of which I was a *leader*. The foundation focuses on promoting creativity and entrepreneurship in Poland by organizing events, workshops and projects based on Design Thinking methodology. We engaged in local startup community and brought to Kraków inspirations from Silicon Valley and lessons learned at Stanford University

Communication skills: I was a *speaker* at TEDxWarsawPresidentialPalace in 2014. I was also a *panelist* at the VIII Civic Congress held by Polish think-tank Kongres Obywatelski, where I was talking about ways of modernization of Poland.

Memberships:

- Member of "Top 500 Innovators" Association
- Founder member of Polish AI Society
- Former member of IEEE

Other skills and experience: I served as an *organizer, speaker, mentor or trainer* at several innovation and entrepreneurship-related projects, including "MakerSpace Kraków" (2013), "MediaLab of Social Innovations" (2013), Polish American Innovation Bridge (2013, 2016, 2017), Design Thinking Week Poland (2014, 2017).