 Curriculum vitae

Il sottoscritto Zese Riccardo, ai sensi degli art.46 e 47 DPR 445/2000, consapevole delle sanzioni penali previste dall'art.76 del DPR 445/2000 e successive modificazioni ed integrazioni per le ipotesi di falsità in atti e dichiarazioni mendaci, dichiara sotto la propria responsabilità:

PERSONAL INFORMATION	Riccardo Zese
Data di nascita	09/03/1988

WORK EXPERIENCE

01/01/2016–Present — **Post-Doctoral Researcher**

Università degli Studi di Ferrara - Engineering Department, Ferrara (Italy)

Probabilistic Knowledge Representation applied to Semantic Web, Automatic Reasoning on Structured Data, Machine Learning

01/10/2012–Present — **College / university teaching professional**

Università degli Studi di Ferrara, Ferrara (Italy)

Teaching of Computer Science and Database using laboratory exercises which are side by side to lectures. Assistance to teachers of courses in Computer Science an Database.

01/01/2016–Present — **Researcher**

Università degli Studi di Ferrara, Ferrara (Italy)

Research activity in the project SORT (Sviluppo di sistemi tecnologici innovativi integrati per lo Spacchettamento, l'Organizzazione delle scorte e il Tracciamento dei prodotti alimentari sprec-ti finalizzati alla loro valorizzazione) in collaboration with Università degli Studi di Parma, TSP-Tecnologie e Servizi Professionali S.r.l., Plastic Sort S.r.l., Alfacod S.r.l., Curti Costruzioni Meccaniche S.p.A.

01/01/2017–Present — **Researcher**

Università egli Studi di Ferrara, Ferrara (Italy)

Research activity in the project GST4Water (Green Smart Technology for Water), industrial research project financed by POR FESR 2014-2020 as part of the Intelligent Specialization Strategy, in which the MechLav laboratory, to which I belong, is a partner together with the labs Terra & Acqua Tech, LEA ENEA, CIRI-EA, CIRI-EC, alle imprese CADF, SOGESE, XEO4, STARPLAST, VerdeAlto (https://www.gst4water.it/).

EDUCATION AND TRAINING

01/01/2013–31/12/2015 — **Doctor of Philosophy (Ph.D.) Student**   Doctor of Philosophy (Ph.D.)

Università degli Studi di Ferrara - Engineering Department, Ferrara (Italy)

Graduated with mark Excellent.
Probabilistic Knowledge Representation applied to Semantic Web, Automatic Reasoning on Structured Data, Machine Learning

2010–2012 — **INGEGNERIA INFORMATICA E DELL'AUTOMAZIONE**   2nd cycle degree - Master

Università degli Studi di Ferrara - Engineering Department, Ferrara (Italy)

Graduated with 110 cum laude.

Broadening and deepening of advanced computer knowledge, acquisition of methodologies related to the management of distributed systems and networks, software engineering, learning techniques for

artificial intelligence, with particular attention to ontology languages for the Semantic Web

2007–2010	INGEGNERIA DELL'INFORMAZIONE (AUTOMAZIONE, ELETTRONICA, INFORMATICA, TELECOMUNICAZIONI)	1st level degree - Degree/Bachelor

Università degli Studi di Ferrara - Engineering Department, Ferrara (Italy)

Graduated with 110 cum laude.

Acquisition of basic knowledge of Computer Science, Automation, Electronics and Telecommunications, Economics and Law, with particular attention to issues of Web application development, analysis and management of data and management of enterprise servers and VoIP.

2002–2007	INDUSTRIAL TECHNICAL CERTIFICATE	Secondary school diploma

Istituto Tecnico Industriale Statale N. Copernico A. Carpeggiani, Ferrara (Italy)

PERSONAL SKILLS

Mother tongue(s)　　Italian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B2	B2	B2
(B1) Preliminary English Test (PET) - University of Cambridge (B2) First Certificate in English (FCE) - University of Cambridge				

English (appears in left column of data rows)

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills　　I am able to work in strict collaboration with a team and independently on my own.

Job-related skills　　Excellent knowledge of computer systems and major software packages.

Excellent knowledge of programming languages and techniques of computer engineering software.

Good knowledge of major languages and systems of artificial intelligence.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

- Operating systems: Excellent
- Programming languages: Excellent
- Word processing: Excellent
- Electronic spreadsheet: Good
- Data base administrators: Excellent
- CAD skills: Limited
- MATLAB skills: Good
- Internet skills: Excellent
- Data transmission networks: Good
- Web-site creation: Excellent

- Multimedia: Good
- Programming languages known: Java, PHP, Ruby, Ruby on Rails, C, C++, Visual Basic, Mosel, Shell, javascript.
- Modeling languages: VHDL, HTML, XML, OWL, RDF.
- Good knowledge of OpenGL
- Good knowledge of JavaBeans.
- Excellent knowledge of TeX.
- Achieved ECDL (European Computer Driving Licence) certificate.

Other skills
- November 2017 - June 2018: teacher of Database systems in the IFTS (Istruzione e formazione tecnica superiore) Class "Design and development of software for cloud web solutions", Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year 2017/2018: support to teaching activities in Computer Science, Università degli Studi di Ferrara, Ferrara, Italy.
- November 2016 - June 2017: teacher of Database systems in the IFTS (Istruzione e formazione tecnica superiore) Class "Design and development of software for cloud web solutions", Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year 2016/2017: support to teaching activities in Computer Science, Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year 2015/2016: support to teaching activities in Database and Laboratory course. Department of Mathematics and Computer Science, Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year 2015/2016: support to teaching activities in Programming Laguage and Laboratory course. Department of Mathematics and Computer Science, Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year. 2015/2016: support to teaching activities in Computer Science course. Engineering Department, Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year 2014/2015: support to teaching activities in Database and Laboratory course. Department of Mathematics and Computer Science, Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year. 2014/2015: support to teaching activities in Computer Science course. Engineering Department, Università degli Studi di Ferrara, Ferrara, Italy.
- January 2014: achievement of First Certificate in English FCE (B2 level), Ferrara.Academic Year 2013/2014: support to teaching activities in Database and Laboratory course. Department of Mathematics and Computer Science, Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year. 2013/2014: support to teaching activities in Computer Science course. Engineering Department, Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year 2012/2013: support to teaching activities in Database and Laboratory course. Department of Mathematics and Computer Science, Università degli Studi di Ferrara, Ferrara, Italy.
- Academic Year 2012/2013: support to teaching activities in Computer Science course. Engineering Department, Università degli Studi di Ferrara, Ferrara, Italy.
- September 2012: attendance at the meeting on the project "e-Policy". Università degli Studi di Bologna, Bologna, Italy.
- February – March 2012: participation in the project of the Artificial Intelligence Research Group of the University of Ferrara for the development of an automatic reasoning algorithm for probabilistic ontologies. Engineering Department, Università degli Studi di Ferrara, Ferrara, Italy.
- May 2010: participation in the project for the development of a Web application for the analysis and controll of VoIP traffic, deployment of a server VoIP. IT Office of Cento's town hall, Italy.
- May 2010: attendance at the course "Il D.Lgs. 196/03: Codice in materia di protezione dei dati personali". IT Office of Cento's town hall, Italy.
- May 2007: achievement of ECDL certificate. Istituto Tecnico Industriale Statale N. Copernico A. Carpeggiani, Ferrara, Italy.
- Academic Year 2006/2007: participation in the project "Accoglienza Matricole 2006/2007". Istituto Tecnico Industriale Statale N. Copernico A. Carpeggiani, Ferrara, Italy.
- May 2006: achievement of Preliminary English Test Certificate PET (B1 level), Ferrara, Italy.
- Academic Year 2005/2006: participation in the project "Accoglienza Matricole 2005/2006". Istituto

Tecnico Industriale Statale N. Copernico A. Carpeggiani, Ferrara, Italy.

- Academic Year 2004/2005: participation in the project "Accoglienza Matricole 2004/2005". Istituto Tecnico Industriale Statale N. Copernico A. Carpeggiani, Ferrara, Italy.
- June 2004: achievement of Key English Test Certificate KET (A2 level). Ferrara, Italy.Academic Year 2003/2004: support to teaching activities, project "Banca del Tempo". Istituto Tecnico Industriale Statale N. Copernico A. Carpeggiani, Ferrara, Italy.

ADDITIONAL INFORMATION

Publications

International Journals

- Riccardo Zese, Elena Bellodi, Fabrizio Riguzzi, Giuseppe Cota, and Evelina Lamma. Tableau reasoning for description logics and its extension to probabilities. Annals of Mathematics and Artificial Intelligence, 82(1):101–130, © Springer, March 2018.
- Riccardo Zese, Elena Bellodi, Giuseppe Cota, Fabrizio Riguzzi, and Evelina Lamma. Probabilistic DL reasoning with pinpointing formulas: A Prolog-based approach. Theory and Practice of Logic Programming, 2018.
- Marco Gavanelli, Evelina Lamma, Fabrizio Riguzzi, Elena Bellodi, Riccardo Zese, and Giuseppe Cota. Reasoning on datalog+- ontologies with abductive logic programming. Fundamenta Informaticae, 159:65–93, 2018.
- Fabrizio Riguzzi, Giuseppe Cota, Elena Bellodi, and Riccardo Zese. Causal inference in cplint. International Journal of Approximate Reasoning, 91(Supplement C):216–232, © Elsevier, December 2017.
- Marco Alberti, Elena Bellodi, Giuseppe Cota, Fabrizio Riguzzi, and Riccardo Zese. cplint on SWISH: Probabilistic logical inference with a web browser. Intelligenza Artificiale, 11(1):47–64, © IOS Press, 2017.
- Elena Bellodi, Evelina Lamma, Fabrizio Riguzzi, Riccardo Zese, and Giuseppe Cota. A web system for reasoning with probabilistic OWL. Software: Practice and Experience, 47(1):125–142, © Wiley, January 2017.
- Fabrizio Riguzzi, Elena Bellodi, Riccardo Zese, Giuseppe Cota, and Evelina Lamma. A survey of lifted inference approaches for probabilistic logic programming under the distribution semantics. International Journal of Approximate Reasoning, 80(Supplement C):313–333, © Elsevier, January 2017.
- Fabrizio Riguzzi, Elena Bellodi, Evelina Lamma, Riccardo Zese, and Giuseppe Cota. Probabilistic logic programming on the web. Software: Practice and Experience, 46(10):1381–1396, © Wiley, October 2016.
- Fabrizio Riguzzi, Elena Bellodi, Evelina Lamma, and Riccardo Zese. Probabilistic description logics under the distribution semantics. Semantic Web - Interoperability, Usability, Applicability, 6(5):447–501, 2015.
- Riguzzi, Elena Bellodi, and Riccardo Zese. A history of probabilistic inductive logic programming. Frontiers in Robotics and AI, 1(6):1–5, © by the authors, 2014.
- Elena Bellodi, Evelina Lamma, Fabrizio Riguzzi, Vitor Santos Costa, and Riccardo Zese. Lifted variable elimination for probabilistic logic programming. Theory and Practice of Logic Programming, 14(Special issue 4-5 - ICLP 2014):681–695, © Cambridge University Press, 2014.

Books

- Riccardo Zese. Probabilistic Semantic Web, volume 28 of Studies on the Semantic Web. IOS Press, 2017.

Book Chapters

- Fabrizio Riguzzi, Elena Bellodi, Evelina Lamma, Riccardo Zese, and Giuseppe Cota. Learning probabilistic description logics. In Fernando Bobillo, Rommel N. Carvalho, Paulo C.G. Costa, Claudia d'Amato, Nicola Fanizzi, Kathryn B. Laskey, Kenneth J. Laskey, Thomas Lukasiewicz, Matthias Nickles, and Michael Pool, editors, Uncertainty Reasoning for the Semantic Web III, volume 8816 of Lecture Notes in Computer Science, pages 63-78. Springer International Publishing, © Springer International Publishing, 2014.
- Riccardo Zese, Elena Bellodi, Evelina Lamma, Fabrizio Riguzzi, and Fabiano Aguiari. Semantics and inference for probabilistic description logics. In Fernando Bobillo, Rommel N. Carvalho, Paulo C.G. Costa, Claudia d'Amato, Nicola Fanizzi, Kathryn B. Laskey, Kenneth J. Laskey, Thomas Lukasiewicz, Matthias Nickles, and Michael Pool, editors, Uncertainty Reasoning for the Semantic

Web III, volume 8816 of Lecture Notes in Computer Science, pages 79-99. Springer International Publishing, © Springer International Publishing, 2014.

International Conferences

■ Giuseppe Cota, Fabrizio Riguzzi, Riccardo Zese, Elena Bellodi, and Evelina Lamma. A modular inference system for probabilistic description logics. In Davide Ciucci, Gabriella Pasi, and Barbara Vantaggi, editors, Scalable Uncertainty Management 12th International Conference, SUM 2018, Milan, Italy, October 3-5, 2018, Proceedings, volume 11142 of Lecture Notes in Computer Science, pages 78--92, Heidelberg, Germany, 2018. © Springer, Springer.

■ Marco Alberti, Marco Gavanelli, Evelina Lamma, Fabrizio Riguzzi, and Zese Riccardo. Dischargeable obligations in abductive logic programming. In Stefania Costantini, Enrico Franconi, William Van Woensel, Roman Kontchakov, Fariba Sadri, and Dumitru Roman, editors, Rules and Reasoning: International Joint Conference, RuleML+RR 2017, London, UK, July 12--15, 2017, Proceedings, volume 10364 of Lecture Notes in Computer Science, pages 7--21, Cham, 2017. © Springer International Publishing AG, Springer International Publishing.

■ Riccardo Zese. Probabilistic description logics: Reasoning and learning. In Nick Bassiliades, Antonis Bikakis, Stefania Costantini, Enrico Franconi, Adrian Giurca, Roman Kontchakov, Theodore Patkos, Fariba Sadri, and William Van Woensel, editors, Proceedings of the Doctoral Consortium, Challenge, Industry Track, Tutorials and Posters @ RuleML+RR 2017 hosted by International Joint Conference on Rules and Reasoning 2017 (RuleML+RR 2017), London, UK, July 11-15, 2017., volume 1875 of CEUR Workshop Proceedings. CEUR-WS.org, 2017.

■ Fabrizio Riguzzi, Riccardo Zese, and Giuseppe Cota. Probabilistic inductive logic programming on the web. In 20th International Conference on Knowledge Engineering and Knowledge Management, EKAW 2016; Bologna; Italy; 19 November 2016 through 23 November 2016, volume 10180 of Lecture Notes in Computer Science, pages 172--175. Springer, Cham, © Springer International Publishing AG, 2017.

■ Marco Gavanelli, Evelina Lamma, Fabrizio Riguzzi, Elena Bellodi, Zese Riccardo, and Giuseppe Cota. Abductive logic programming for normative reasoning and ontologies. In Mihoko Otake, Setsuya Kurahashi, Yuiko Ota, Ken Satoh, and Daisuke Bekki, editors, New Frontiers in Artificial Intelligence: JSAI-isAI 2015 Workshops, LENLS, JURISIN, AAA, HAT-MASH, TSDAA, ASD-HR, and SKL, Kanagawa, Japan, November 16-18, 2015, Revised Selected Papers, volume 10091 of Lecture Notes in Computer Science, pages 187--203, Cham, 2017. © Springer International Publishing AG, Springer International Publishing.

■ Fabrizio Riguzzi, Elena Bellodi, Riccardo Zese, Giuseppe Cota, and Evelina Lamma. Scaling structure learning of probabilistic logic programs by mapreduce. In Maria Fox and Gal Kaminka, editors, 22nd European Conference on Artificial Intelligence ECAI 2016, volume 285 of Frontiers in Artificial Intelligence and Applications, pages 1602--1603. IOS Press, © CC-BY-NC 4.0, 2016.

■ Marco Alberti, Giuseppe Cota, Fabrizio Riguzzi, and Riccardo Zese. Probabilistic logical inference on the web. In Giovanni Adorni, Stefano Cagnoni, Marco Gori, and Marco Maratea, editors, Proceedings of the 15th Conference of the Italian Association for Artificial Intelligence (AI*IA2016), Genova, Italy, 28 November - 1 December 2016, volume 10037 of Lecture Notes in Computer Science, pages 351--363, Heidelberg, Germany, 2016. © Springer International Publishing AG, Springer International Publishing.

■ Marco Alberti, Evelina Lamma, Fabrizio Riguzzi, and Riccardo Zese. Probabilistic hybrid knowledge bases under the distribution semantics. In Giovanni Adorni, Stefano Cagnoni, Marco Gori, and Marco Maratea, editors, Proceedings of the 15th Conference of the Italian Association for Artificial Intelligence (AI*IA2016), Genova, Italy, 28 November - 1 December 2016, volume 10037 of Lecture Notes in Computer Science, pages 364--376, Heidelberg, Germany, 2016. © Springer International Publishing AG, Springer International Publishing.

■ Giuseppe Cota, Riccardo Zese, Elena Bellodi, Fabrizio Riguzzi, and Evelina Lamma. Distributed parameter learning for probabilistic ontologies. In Katsumi Inoue, Hayato Ohwada, and Akihiro Yamamoto, editors, Inductive Logic Programming: 25th International Conference, ILP 2015, Kyoto, Japan, August 20-22, 2015, Revised Selected Papers, volume 9575 of Lecture Notes in Computer Science, pages 30--45, Heidelberg, Germany, 2016. © Springer International Publishing Switzerland, Springer International Publishing.

■ Marco Gavanelli, Evelina Lamma, Fabrizio Riguzzi, Elena Bellodi, Riccardo Zese, and Giuseppe Cota. An abductive framework for Datalog+- ontologies. In Marina De Vos, Thomas Eiter, Yuliya Lierler, and Francesca Toni, editors, Technical Communications of the 31st Int'l. Conference on Logic Programming (ICLP 2015), number 1433 in CEUR Workshop Proceedings, Aachen, Germany, 2015. © by the authors, Sun SITE Central Europe.

■ Fabrizio Riguzzi, Elena Bellodi, Evelina Lamma, and Riccardo Zese. Reasoning with probabilistic ontologies. In Qiang Yang and Michael Wooldridge, editors, Proceedings of the Twenty-Fourth

International Joint Conference on Artificial Intelligence, Buenos Aires, Argentina, 25-31 July 2015, pages 4310--4316, Palo Alto, California USA, 2015. © International Joint Conferences on Artificial Intelligence, AAAI Press / International Joint Conferences on Artificial Intelligence.

■ Riccardo Zese. Inference and learning for probabilistic description logics. In Qiang Yang and Michael Wooldridge, editors, Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence, Buenos Aires, Argentina, 25-31 July 2015, pages 4411--4412, Palo Alto, California USA, 2015. © International Joint Conferences on Artificial Intelligence, AAAI Press / International Joint Conferences on Artificial Intelligence.

■ Fabrizio Riguzzi, Elena Bellodi, Evelina Lamma, and Riccardo Zese. Learning the parameters of probabilistic description logics. In Gerson Zaverucha, Vitor Santos Costa, and Aline Marins Paes, editors, Late Breaking papers of the 23rd International Conference on Inductive Logic Programming, Rio de Janeiro, Brazil, August 28th to 30th, 2013, volume 1187 of CEUR Workshop Proceedings, pages 46--51, Aachen, Germany, 2014. © by the authors, Sun SITE Central Europe.

■ Fabrizio Riguzzi, Elena Bellodi, Evelina Lamma, and Riccardo Zese. Computing instantiated explanations in OWL DL. In Matteo Baldoni, Cristina Baroglio, and Guido Boella, editors, Proceedings of the 13th Conference of the Italian Association for Artificial Intelligence (AI*IA2013), Turin, Italy, 4-6 December 2013, volume 8249 of Lecture Notes in Artificial Intelligence, pages 397--408, Heidelberg, Germany, 2013. © Springer, Springer.

■ Fabrizio Riguzzi, Evelina Lamma, Elena Bellodi, and Riccardo Zese. BUNDLE: A reasoner for probabilistic ontologies. In Wolfgang Faber and Domenico Lembo, editors, 7th International Conference on Web Reasoning and Rule Systems (RR 2013), Mannheim, Germany, July 27-29 2013. Proceedings, volume 7994 of Lecture Notes in Computer Science, pages 183--197, Heidelberg, Germany, 2013. © Springer, Springer.

■ Fabrizio Riguzzi, Elena Bellodi, Evelina Lamma, and Riccardo Zese. Parameter learning for probabilistic ontologies. In Wolfgang Faber and Domenico Lembo, editors, 7th International Conference on Web Reasoning and Rule Systems (RR 2013), Mannheim, Germany, July 27-29 2013. Proceedings, volume 7994 of Lecture Notes in Computer Science, pages 265--270, Heidelberg, Germany, 2013. © Springer, Springer.

Edited Proceedings and Special Issues

■ Fabrizio Riguzzi, Elena Bellodi, and Riccardo Zese, editors. Inductive Logic Programming 28th International Conference, ILP 2018, Ferrara, Italy, September 2-4, 2018, Proceedings, volume 11105 of Lecture Notes in Artificial Intellingence, Heidelberg, Germany, 2018. © Springer, Springer.

■ Fabrizio Riguzzi, Elena Bellodi, and Riccardo Zese, editors. Up-and-Coming and Short Papers of the 28th International Conference on Inductive Logic Programming (ILP 2018), volume 2206 of CEUR Workshop Proceedings, Aachen, Germany, 2018. © by the authors, Sun SITE Central Europe.

■ Riccardo Zese and Christian Theil Have, editors. Proceedings of the Workshop on Probabilistic Logic Programming 2017 co-located with 27th International Conference on Inductive Logic Programming (ILP 2017), Orléans, France, September 7, 2017, volume 1916 of CEUR Workshop Proceedings. CEUR-WS.org, 2017.

National Conferences

■ Marco Alberti, Evelina Lamma, Fabrizio Riguzzi, and Riccardo Zese. Iterated fixpoint well-founded semantics for hybrid knowledge bases. In Dario Della Monica, Aniello Murano, Sasha Rubin, and Luigi Sauro, editors, Joint Proceedings of the 18th Italian Conference on Theoretical Computer Science and the 32nd Italian Conference on Computational Logic, volume 1949 of CEUR Workshop Proceedings, pages 248--261, Aachen, Germany, 2017. Sun SITE Central Europe.

■ Marco Gavanelli, Evelina Lamma, Fabrizio Riguzzi, Elena Bellodi, Riccardo Zese, and Giuseppe Cota. Abductive logic programming for Datalog+- ontologies. In Davide Ancona, Marco Maratea, and Viviana Mascardi, editors, Proceedings of the 30th Italian Conference on Computational Logic (CILC2015), Genova, Italy, 1-3 July 2015, number 1459 in CEUR Workshop Proceedings, pages 128--143, Aachen, Germany, 2015. © by the authors, Sun SITE Central Europe.

■ Riccardo Zese, Elena Bellodi, Evelina Lamma, and Fabrizio Riguzzi. A description logics tableau reasoner in Prolog. In Domenico Cantone and Marianna Nicolosi Asmundo, editors, Proceedings of the 28th Italian Conference on Computational Logic (CILC2013), Catania, Italy, 25-27 September 2013, number 1068 in CEUR Workshop Proceedings, pages 33--47, Aachen, Germany, 2013. © by the authors, Sun SITE Central Europe.

International Workshops

■ Riccardo Zese. Plp: a brick to build your own starship. In Elena Bellodi and Tom Schrijvers, editors, *Probabilistic Logic Programming (PLP 2018)*, volume 2219 of *CEUR Workshop*

Proceedings, page 1, Aachen, Germany, 2018. © by the authors, Sun SITE Central Europe.

- Fabrizio Riguzzi, Jan Wielemaker, and Riccardo Zese. Probabilistic inference in swi-prolog. In Elena Bellodi and Tom Schrijvers, editors, *Probabilistic Logic Programming (PLP 2018)*, volume 2219 of *CEUR Workshop Proceedings*, pages 15--27, Aachen, Germany, 2018. © by the authors, Sun SITE Central Europe.

- Damiano Azzolini, Fabrizio Riguzzi, Evelina Lamma, Elena Bellodi, and Riccardo Zese. Modeling bitcoin protocols with probabilistic logic programming. In Elena Bellodi and Tom Schrijvers, editors, *Probabilistic Logic Programming (PLP 2018)*, volume 2219 of *CEUR Workshop Proceedings*, pages 49--61, Aachen, Germany, 2018. © by the authors, Sun SITE Central Europe

- Marco Alberti, Evelina Lamma, Fabrizio Riguzzi, and Riccardo Zese. A distribution semantics for non-DL-safe probabilistic hybrid knowledge bases. In Christian Theil Have and Riccardo Zese, editors, 4th International Workshop on Probabilistic logic programming, PLP 2017, volume 1916 of CEUR Workshop Proceedings, pages 40--50, Aachen, Germany, 2017. Sun SITE Central Europe.

- Fabrizio Riguzzi, Evelina Lamma, Marco Alberti, Elena Bellodi, Riccardo Zese, and Giuseppe Cota. Probabilistic logic programming for natural language processing. In Federico Chesani, Paola Mello, and Michela Milano, editors, URANIA 2016, Deep Understanding and Reasoning: A Challenge for Next-generation Intelligent Agents, Proceedings of the AI*IA Workshop on Deep Understanding and Reasoning: A Challenge for Next-generation Intelligent Agents 2016 co-located with 15th International Conference of the Italian Association for Artificial Intelligence (AIxIA 2016), volume 1802 of CEUR Workshop Proceedings, pages 30--37, Aachen, Germany, 2017. © by the authors, Sun SITE Central Europe.

- Marco Alberti, Elena Bellodi, Giuseppe Cota, Evelina Lamma, Fabrizio Riguzzi, and Riccardo Zese. Probabilistic constraint logic theories. In Arjen Hommersom and Samer Abdallah, editors, Proceedings of the 3nd International Workshop on Probabilistic Logic Programming (PLP), volume 1661 of CEUR Workshop Proceedings, pages 15--28, Aachen, Germany, 2016. © by the authors, Sun SITE Central Europe.

- Giuseppe Cota, Riccardo Zese, Elena Bellodi, Evelina Lamma, and Fabrizio Riguzzi. Learning probabilistic ontologies with distributed parameter learning. In Elena Bellodi and Alessio Bonfietti, editors, Proceedings of the Doctoral Consortium (DC) co-located with the 14th Conference of the Italian Association for Artificial Intelligence (AI*IA 2015), volume 1485 of CEUR Workshop Proceedings, pages 7--12, Aachen, Germany, 2015. © by the authors, Sun SITE Central Europe.

- Riccardo Zese, Elena Bellodi, Fabrizio Riguzzi, and Evelina Lamma. Tableau reasoners for probabilistic ontologies exploiting logic programming techniques. In Elena Bellodi and Alessio Bonfietti, editors, Proceedings of the Doctoral Consortium (DC) co-located with the 14th Conference of the Italian Association for Artificial Intelligence (AI*IA 2015), volume 1485 of CEUR Workshop Proceedings, pages 1--6, Aachen, Germany, 2015. © by the authors, Sun SITE Central Europe.

- Giuseppe Cota, Riccardo Zese, Elena Bellodi, Evelina Lamma, and Fabrizio Riguzzi. Structure learning with distributed parameter learning for probabilistic ontologies. In Jaakko Hollmen and Panagiotis Papapetrou, editors, Doctoral Consortium of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, pages 75--84, © by the authors, 2015.

- Riccardo Zese, Elena Bellodi, Evelina Lamma, and Fabrizio Riguzzi. Logic programming techniques for reasoning with probabilistic ontologies. In Odile Papini, Salem Benferhat, Laurent Garcia, and Marie-Laure Mugnier, editors, International Workshop on Ontologies and Logic Programming for Query Answering, © by the authors, 2015.

- Riccardo Zese. Learning probabilistic description logics theories. In Luigi Di Caro, Carmine Dodaro, Andrea Loreggia, Roberto Navigli, Alan Perotti, and Manuela Sanguinetti, editors, Proceedings of the Second Doctoral Workshop in Artificial Intelligence (DWAI 2014) An official workshop of the 13th Symposium of the Italian Association for Artificial Intelligence "Artificial Intelligence for Society and Economy" (AI*IA 2014), Pisa, Italy, December 11, 2014., volume 1334 of CEUR Workshop Proceedings, pages 13--22. CEUR-WS.org, 2014.

- Fabrizio Riguzzi, Elena Bellodi, Evelina Lamma, and Riccardo Zese. Epistemic and statistical probabilistic ontologies. In Fernando Bobillo, Rommel Carvalho, Paulo C. G. da Costa, Nicola Fanizzi, Kathryn B. Laskey, Kenneth J. Laskey, Thomas Lukasiewicz, Trevor Martin, Matthias Nickles, and Michael Pool, editors, Proceedings of the 8th International Workshop on Uncertain Reasoning for the Semantic Web (URSW2012), Boston, USA, 11 November 2012, number 900 in CEUR Workshop Proceedings, pages 3--14, Aachen, Germany, 2012. Sun SITE Central Europe.

National Workshops

- Fabrizio Riguzzi, Evelina Lamma, Elena Bellodi, and Riccardo Zese. Semantics and inference for

probabilistic ontologies. In Matteo Baldoni, Federico Chesani, Bernardo Magnini, Paola Mello, and Marco Montai, editors, Popularize Artificial Intelligence. Proceedings of the AI*IA Workshop and Prize for Celebrating 100th Anniversary of Alan Turing's Birth (PAI 2012), Rome, Italy, June 15, 2012, volume 860 of CEUR Workshop Proceedings, pages 41--46, Aachen, Germany, 2012. © by the authors, Sun SITE Central Europe.

Technical Reports

- Zese, R.: Reasoning with Probabilistic Logics. ArXiv e-prints 1405.0915v2. An extended abstract / full version of a paper accepted to be presented at the Doctoral Consortium of the 30th International Conference on Logic Programming (ICLP 2014), July 19-22, Vienna, Austria

Honours and awards

- Awarded of an **honorable mention** for the *EurAI Distinguished Dissertation Award 2016* for the PhD Thesis title "Probabilistic Reasoning and Learning for the Semantic Web".
- Award for **best PhD thesis of the 2016 graduation class (XXVIII doctoral cycle)** of the University of Ferrara PhD School in Engineering Sciences, curriculum in Information Engineering (8 candidates).
- Winner of "**RR2013 Best Paper Award**" for the paper Riguzzi F., Bellodi E., Lamma E., Zese R.: "BUNDLE: A Reasoner for Probabilistic Ontologies". In: RR 2013. LNCS, vol. 7994, pp. 183-197. Springer (2013).
- Winner of "**Premio per tesi di innovazione tecnologica in ambito open source AA 2012/2013**" organized by the University of Ferrara and financed by Consorzio Ferrara Ricerche for the thesis "Probabilistic Reasoning on Ontologies".
- Ranked **first** for the teaching of Computer Science in the assessment of the teaching of the Bachelor's degree course of Electronic and Computer Engineering of the University of Ferrara.

Activities

- Member of the Editorial Board of Intelligenza Artificiale, the official journal of the Italian Association for Artificial Intelligence
- Member of the Editorial Board of Journal of Computer Science
- Review Editor for Frontiers in Robotics and AI, specialty section on Computational Intelligence - Indexed in WOS
- Member of the Editorial Board of Advances in Computer Science
- Member of the Advisory Board of International Journal of Information Management and Technology
- Local organizer of ACAI Summer School on Statistical Relational Artificial Intelligence, Ferrara, 2018
- Program co-Chair of the 28th International Conference on Inductive Logic Programming, Ferrara, 2018
- Program co-Chair of the 4th Probabilistic Logic Programming 2017 Workshop, Orleans, 2017
- Member of the Program Committee of IJCAI-ECAI 2018, AmI 2018, NIPS 2018, PLP 2018, AAAI 2019, ICLR 2019
- Member of the Editorial Board of 1st International Conference On Recent Trends in Computer Science and Information Technology, Budhlada, 2016
- Member of the Organising Committee of the 14th Conference of the Italian Association for Artificial Intelligence, Ferrara, 2015
- Held seminar titled "Introduction to Description Logics and Semantic Web", December 2014, December 2016

Thesis

- Bachelor Degree in Information Engineering: "Design and Development of a Web Application for the Analysis and Control of VoIP Traffic". Supervisor: Stefanelli Cesare.
- Master of Science in Computer and Automation Engineering: "Probabilistic Reasoning on Ontologies". Supervisor: Riguzzi Fabrizio, Lamma Evelina.
- PhD in Engineering Science: "Probabilistic Reasoning and Learning for the Semantic Web". Supervisor: Riguzzi Fabrizio, Lamma Evelina.

Tutorials

- Tutorial **Probabilistic Knowledge Representation in Machine Learning** at *AI*IA 2018*
- Tutorial **Learning from knowledge graphs** at *EKAW 2018*

- Tutorial **Probabilistic Logic Languages and Their Combination** at C*ILC 2018*
- Invited talk **PLP: a brick to build your own starship** at *PLP 2018*
- Tutorial **Probabilistic Description Logics: Reasoning and Learning** at *RuleML+RR 2017*

Il sottoscritto dichiara di essere informato, ai sensi del d.lgs. n.196/2003 della normativa vigente del GDPR 679/16, che i dati personali raccolti saranno trattati anche con strumenti informatici esclusivamente nell'ambito del procedimento per il quale la presente dichiarazione viene resa e per tutti gli adempimenti connessi. Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara.

Ferrara, 04/02/2019

Firmato RICCARDO ZESE