

# Europass Curriculum Vitae

#### **Personal information**

Surname(s) / First name(s) Email(s) Date of birth

## Work experience

## Valota Diego

valota@di.unimi.it 02/08/1981

Dates Position Activities	February 2017 - <i>now</i> Postdocral Fellow Research
Institute Supervisor	Dipartimento di Informatica, Università degli Studi di Milano Stefano Aguzzoli
Dates	March 2017 - January 2018
Position	March 2018 - January 2019 Fixed term Lecturer
Activity	Teaching "Laboratorio di Programmazione 1" (Basic Coding)
/ Kollwity	Undergraduate course in Mathematics
Institute	Dipartimento di Matematica, Università degli Studi di Milano
Dates	February 2015 - January 2017
Position	Marie Curie INdAM-COFUND Fellow
Activity	Research
Institute	Istituto Nazionale di Alta Matematica, Roma
Outgoing Phase	Institut d'Investigació en Intel.ligència Artificial (IIIA), Consejo Superior de Investigaciones Científicas (CSIC) - Campus de la Universitat Autonoma de Barcelona s/n 08193 Bellaterra, Spain
Supervisor	Lluis Godo
Return Phase	Dipartimento di Informatica, Università degli Studi di Milano
Supervisor	Stefano Aguzzoli
Dates	May 2014 - January 2015
Position	Postdoc
Activity Institute	Research and Development of Betting Systems for Non-Classical Events Dipartimento di Scienze Teoriche e Applicate, Universitá degli Studi dell'Insubria, Via Mazzini 5, 21100,
Supervisor	varese, italy Brunella Gerla
Datas	
Dates	February 2012 - April 2014
Activity	Collaborator / Employee
Company	MediaSoft S.R.L. Piazzale Giulio Cesare 14, 20156 Milano, http://www.kubik.it
company	
Dates	June 2007
Position	PHP Teacher
Organization	Custodia S.r.I., Via G. Paglia 27, 24122 Bergamo
Dates	June 2006 - January 2007

Collaborator Software Developer for RFId Systems Person in charge of VIRTHUALIS european research project Eximia S.R.L., Via Melzi d'Eril 26, 20156 Milano, http://www.eximia.it

Company

Position

Activity

#### **Education and training**

Dates	January 2009 - February 2012
PhD.	Computer Science
Thesis	Dualities and Representations for Many-Valued Logics in the Hierarchy of Weak Nilpotent Minimum
Supervisor	Stefano Aguzzoli
Institute	Università degli Studi di Milano
Dates	December 2007 - November 2008
Studentship	Studentship for promising young students of the Università degli Studi di Milano
Project	Intelligent environments and RFID technologies integration
Supervisor	Daniele Marini
Institute	Dipartimento di Informatica e Comunicazione, Università degli Studi di Milano
Dates	2004/2005 - 2006/2007
Master Degree	Computer Science
Thesis	Poset representation for Many-Valued Logics based on Left-continuous T-Norms
	Awarded by Italian Association for Logic and Application, Premio AILA 3+2 2008
Supervisor	Stefano Aguzzoli
Institute	Dipartimento di Scienze dell'Informazione, Università degli Studi di Milano
Erasmus Program	06/09/2005 - 16/02/2006, Master Parisien de Recherche en Informatique
	Univ. P7, Univ. P6, ENS Paris, ENS Cachan, Ecole Polytechnique
Dates	2000/2001 - 2003/2004
Bachelor Degree	Computer Science
Thesis	Implementation of Analytical Calculi for Many-Valued Logics based on continuous T-norms
Supervisor	Stefano Aguzzoli
Institute	Dipartimento di Scienze dell'Informazione, Università degli Studi di Milano
Summer Schools	TACL 2015 Summer School. Fisciano, 2015
	ISR 2010, International School on Rewriting, Utrecht 2010
	ESSLLI 2009, European Summer School in Logic, Language and Information, Bordeaux 2009
	Logic Summer Schools (organized by AILA), Gargnano 2006, 2007, 2008
ESF Courses	05/2005 - 06/2005 Intelligent Systems for Symbolic Calculus (Wolfram's Mathematica)
	11/2004 - 01/2005 Linux Administration (Basic Level)
	04/2003 - 05/2003 Real-Time Systems: Applications to Robotics
Personal skills and competences	
Mother tongue(s)	Italian

Other language(s)				
Self-assessment	Understanding		Speaking	
European level <sup>(*)</sup>	Listening	Reading	Spoken interaction	Spoken production
English	C1	C1	B2	B2
French	B2	B2	B1	B1
Spanish	B2	C1	B1	B1
	(*) Common Europear	Framework of Reference	(CEE) level	

Writing

B2

A2

B1

Common European Framework of Reference (CEF) level

Technical skills and competences	
Operative Systems	Basic Administration of GNU/Linux (mainly Slackware, Debian and Fedora) and Microsoft Windows
Languages:	Good Knowledge of C/C++, Prolog, VB 6, PHP, VBA, Tex/Latex Discrete Knowledge of HTML/XML, CSS, Perl, Javascript/Dojo
Coding:	Good Knowledge of GNU/GCC e GDB, Djgpp/RHIDE, SWI-Prolog, Apache Web Server, Wolfram's Mathematica, Visual Studio, Eclipse/CDT Discrete Knowledge of YAP Prolog, GNU Prolog, PostgreSQL, MySQL, Apache ActiveMQ
Academic Activities	
Research Interests and competences	Non-Classical Logics (mainly Many-Valued Logics), Equational Unification, Interpolation Properties, Uni- versal Algebra, Lattice and Order Theory, Category Theory, Formal Concept Analysis
Publications Journals	
4	S. Aguzzoli, M.Bianchi, B.Gerla, and D. Valota. Free algebras, states and duality for the propositional Gödel-delta and drastic product logics. International Journal of Approximate Reasoning, 104:57 – 74, 2019
3	D. Valota. Representations for logics and algebras related to revised drastic product t-norm. Soft Computing, In press, 2018
2	S. Aguzzoli, S. Bova, and D. Valota. Free weak nilpotent minimum algebras. <i>Soft Computing</i> , 21(1):79–95, 2017
1	S. Bova and D. Valota. Finite RDP-algebras: duality, coproducts and logic. Journal of Logic and Computation, 22(3):417–450, 2012
Proceedings	
9	<ul> <li>S. Bonzio, M. Pra Baldi, and D. Valota.</li> <li>Counting finite linearly ordered involutive bisemilattices.</li> <li>In J. Desharnais, W. Guttmann, and S. Joosten, editors, <i>Relational and Algebraic Methods in Computer Science</i>, Lecture Notes in Computer Science, pages 166–183. Springer International Publishing, 2018</li> </ul>
8	P. Codara, F. Esteva, L. Godo, and D. Valota. Connecting systems of mathematical fuzzy logic with fuzzy concept lattices. In <i>Communications in Computer and Information Science</i> , pages 275–286. Springer, 2018
7	S. Aguzzoli, M. Bianchi, and D. Valota. The Classification of All the Subvarieties of DNMG. In J. Kacprzyk, E. Szmidt, S. Zadrożny, K. T. Atanassov, and M. Krawczak, editors, <i>Advances in Fuzzy</i> <i>Logic and Technology 2017</i> , pages 12–24. Springer, 2018
6	<ul> <li>S. Aguzzoli, M. Bianchi, B. Gerla, and D. Valota.</li> <li>Probability Measures in Gödel<sub>△</sub> Logic.</li> <li>In A. Antonucci, L. Cholvy, and O. Papini, editors, <i>Symbolic and Quantitative Approaches to Reasoning with Uncertainty: 14th European Conference, ECSQARU 2017, Lugano, Switzerland, July 10–14, 2017, Proceedings</i>, pages 353–363. Springer, 2017</li> </ul>
5	D. Valota. Computing uniform interpolants in nilpotent minimum logic. In 47th IEEE International Symposium on Multiple-Valued Logic, ISMVL 2017, Novi Sad, Serbia, May 22-24, 2017, pages 242–247. 2017
4	P. Codara and D. Valota. On Gödel Algebras of Concepts. In Logic, Language, and Computation: 11th International Tbilisi Symposium on Logic, Language, and Computation, TbiLLC 2015, Tbilisi, Georgia, September 21-26, 2015, Revised Selected Papers, Lecture Notes in Computer Science, pages 251–262. Springer Berlin Heidelberg, Berlin, Heidelberg, 2017

3	S. Aguzzoli, P. Codara, T. Flaminio, B. Gerla, and D. Valota. Querying with łukasiewicz logic. In <i>Fuzzy Systems (FUZZ-IEEE), 2015 IEEE International Conference on</i> , 2015
2	P. Codara and D. Valota. Valuations in nilpotent minimum logic
	In Multiple-Valued Logic (ISMVL), 2015 IEEE International Symposium on, pages 90–95, 2015
1	S. Aguzzoli, M. Bianchi, and D. Valota.
	A Note on Drastic Product Logic. In A. Laurent, O. Strauss, B. Bouchon-Meunier, and R. R. Yager, editors, <i>Information Processing and Management of Uncertainty in Knowledge-Based Systems</i> , volume 443 of <i>Communications in Computer and Information Science</i> , pages 365–374. Springer International Publishing, 2014
Book Chapters	D. Valota. Poset Representation for Free RDP-Algebras. In H. Hosni and F. Montagna, editors, <i>Probability, Uncertainty and Rationality</i> , volume 10 of <i>CRM Series</i> . Edizioni della Scuola Normale Superiore, Pisa 2010
Talks	
23	Computing Spectra via Dualities in the MTL hierarchy (invited talk).
	11th Annual CECAT Workshop in Pointfree Mathematics, Orange, 07 February 2019.
22	Counting finite linearly ordered involutive bisemilattices.
04	RAMICS 2018, Gröningen, 01 November 2018.
21	Iowards a Propositional Logical Structure of Ambiguous words in Weighted Automata (Invited talk)
20	Ambiguity Workshop, Solia, Uo August 2016.
20	Logic Colloquium 2018 Uldine 23 July 2018
19	Unitary Unification in Subvarieties of MTL Algebras.
	ManyVal 2017. Toulouse, November 15, 2017.
18	Counting Spectra via Dualities: from Gödel logic to WNM logics.
	Logic Seminar. University of Milan, October 18, 2017.
17	Computing Spectra of Finite Gödel Algebras through Finite Forests.
	TbiLLC2017, Lagodekhi, September 20, 2017
16	Probability measures in Gödel-Delta logic.
	ECSQARU2017, Lugano, July 13, 2017.
15	Spectra Problems and Many-Valued Logics (plenary talk)
14	12th International Conference ERLAGUL-17, Altal Mountains, June 27, 2017.
14	47th IEEE International Symposium on Multiple-Valued Logic, Novi Sad, May 24, 2017
13	Computing Free Spectra of Many-Valued Logics
	93rd Workshop on General Algebra. Bern, February 11, 2017
12	Finite Forests: Logical Meaning, Counting Problems and Generalizations.
	Seminar for the course of Graph Theory, Prof. O.D'Antona. Milan, January 12, 2017.
11	Uniform Interpolants in Nilpotent Minimum Logic
	ESTYLF 2016. San Sebastian, May 27, 2016
10	Towards a Formal Concept Semantics for Gödel Logic
	11th Int. Tbilisi Symposium on Language, Logic and Computation. Tbilisi, September 25, 2015
9	Formal Concepts of Gödel Logic Formulas
0	Trends in Logic XV. Delft, July 2, 2015
8	Representation of Free Finitely Generated Weak Nilpotent Minimum Algebras
7	IAUL 2015. ISCIIIA, JUNE 25, 2015 Contexts of Einite Gödel Algebras: Eirst Stops on Characterization and Computation
1	Logic Seminar University of Milan June 12 2015
6	Computing Amalgams and Interpolants in Finite Gödel Algebras via Duality
Ŭ	Non-Classical Logics Seminar. University of Barcelona, May 15, 2015
5	A Note on Drastic Product Logic
	IPMU, Montpellier 2014

4	Building Strongest Deductive Interpolants in Nilpotent Minimum Logic
0	Pisa Summer Workshop on Proof Theory, Pisa 2012
3	A Duality for Finite NMG Algebras
0	Pannenenic Logic Symposium 8, Ioannina 2011
2	Manufal 2010 Variance 0010
4	Many val 2010, Varese 2010
I	Spectral Duality for Finitely Generated RDP Algebras
	workshop on Probability, Uncertainty and Rationality, Pontignano 2009
Projects	
Proponent	Marie Curie INdAM-COFUND-2012 accepted project: A Duality-based Approach to Deduction and Rea-
and Coordinator	soning with Vague Information
Member	H2020-MSCA-RISE SYSMICS Syntax meets semantics—Methods, interactions, and connections in substructural logics. (2016 -2019)
	FIRB 2012-2015: PNCE - Probability Theory of Non-Classical Events (2014)
	PUR 2009: Metodi Logici e Algoritmici nell'analisi, specifica e verifica di sistemi
	PRIN 2008: Logica ed algebra dell'informazione incerta
	6thFP on Industrial Safety: VIRTHUALIS European Research Project (2006/2007/2008)
Teaching	
Teacher	Course on <i>Handling Vagueness in Logic, via Algebras and Games</i> (with S. Lapenta), at the 30th European Summer School in Logic, Language and Information (6 August – 17 August 2018)
Fixed Term Lecturer	"Laboratorio di Programmazione 1" (Coding Lab.), Undergraduate course in Mathematics, A.A. 2017/2018
	"Laboratorio di Programmazione 1" (Coding Lab.), Undergraduate course in Mathematics, A.A. 2016/2017
Instructor	Logic Lab. for Logic Course, Undergraduate course in Computer Science A.A. 2016/2017
Instructor	Computer Science Lab. for General Mathematics and Statistics Lab. Course, Undergraduate course in Biology A.A. 2009/2010
Visits	
25/01/19 - 28/01/19	Prof. P. Jipsen, Center of Excellence in Computation, Algebra and Topology, Chapman University, Or- ange, CA 92866, USA (H2020-MSCA-RISE SYSMICS Project).
9-10/04/18	M. Pra Baldi, Università degli Studi di Padova, Italy.
23-27/01/17	Prof. F. Bou, Universitat de Valencia, and Prof. L. Godo, Institut d'Investigació en Intel.ligència Artificial, Barcelona.
Advisorships	
2009	Diego Olivares - Simulazione 3D di Network Planning per Sistemi di Tracciamento
	BsC Thesis in Computer Science, Università degli Studi di Milano
	Advisor: D. Gadia. Co-Advisors: A. Viale, D. Valota
2008	Francesca Ghislanzoni - Realizzazione di un sistema UWB adattativo per ambienti interattivi
	MsC Thesis in Computer Science, Università degli Studi di Milano Advisor: D. Marini. Co-Advisor: D. Valota
Conferences	
Invited Speaker	11th Annual CECAT Workshop in Pointfree Mathematics, Orange. 07 February 2019.
	Workshop on Ambiguity. Sofia, Bulgaria. August 6-10, 2018
Invited Participant	Workshop on Logics, Decisions, and Interactions. Leiden, Netherlands. October 24-28, 2016 Unified Correspondence Workshop Leiden, Netherlands, February 15-19, 2016
Contributed Speaker	17th Int. Conf. on Relational and Algebraic Methods in Computer Science. Gräningen, 01 Nov. 2018
Communica Opeand	Logic Colloquium 2018, Udine, 23 July 2018. ManyVal 2017, Toulouse, November 15, 2017
	12th Int. Tbilisi Symp. on Language. Logic and Computation Lagodekhi. September 20, 2017

	14th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty,
	19th International Conference EDI ACOL 17. Altei Meuntaine, June 27, 2017
	47th IEEE International Symposium on Multiple Volued Logic Nevi Sed May 24, 2017.
	4/th IEEE International Symposium on Multiple-Valued Logic. Novi Sau, May 24, 2017.
	Trun Int. Tollisi Symp. on Language, Logic and Computation. Tollisi, Georgia. September 25, 2015
	TACH 2015 Listic Halve lung 25, 2015
	IAGE 2015. Ischia, Italy. June 25, 2015
	IPMU 2014. SupAgro campus, montpellier, France. July 15, 2014
	Pisa Summer Workshop on Proof Theory. Pisa, Italy. June 12-15, 2012
	PLS8 Student Session. Ioannina, Greece. July 4-8, 2011
	Manyval 2010. Varese, Italy. May 3-5, 2010
<b>o</b> .	Workshop on Probability, Uncertainty and Rationality. Pontignano, Italy. November 1-3, 2009
Organizer	MAGICA2016. Milan, Italy. 26-27 September 2016.
	Syntax Meets Semantics 2016. Universitat De Barcelona, Barcelona, Spain. 5-9 September 2016.
	Manyval 2010. Varese, italy. 2-6 May 2010.
Special Sessions	Many-valued Logics Benind Computational Intelligence at FOCI/SSCI 2017, Honolulu, Hawali
	Recent trends in many-valued logic and fuzziness at:
	FUZZ-IEEE 2015. Istanbul, Turkey. WCCI/FUZZ-IEEE 2016. Vancouver, Canada. FUZZ-IEEE 2017.
Programma Committaa	ELIZZ JEEE 2015. Jotophyl Turkov
Flogramme Commutee	WCCI/ELIZZ IEEE 2016. Vanceuver Canada
	ELIZZ JEEE 2017. Noples, Itoly
	NOCULUZZ IEEE 2017. INdpies, Italy
Additional Informations	
Reviewer	ESS MVLSC BSL SoCo
T TO TOWOT	LICAL 2011 LICAL 2015 EU77-IEEE 2015 EU77-IEEE 2016 LANMB2016 EU77-IEEE 2017
	IPMU2018, LATD2018
Membership	Marie Curie Alumni Association (from 2017)
	GNSAGA, Gruppo Naz. per le Strutture Algebriche, Geometriche e le loro Applicazioni (from 2011)
	AILA, Associazione Italiana di Logica e sue Applicazioni (from 2014, Executive Board from 2017)
	EUSFLAT, European Society for Fuzzy Logic and Technology (2014-2017)
	MathFuzzLog, Mathematical Fuzzy Logic Working Group (from 2011)
	IEEE CS Technical Committee on Multiple-Valued Logic (from 2017)
Create and Auguda	
Granis and Awards	
Feb 2019	H2020-MSCA-RISE SYSMICS project for research visits. Amount of the grant: ca. 3,000.00 EUR
Jul 2018	GINSAGA grant for conferences participation. Amount of the contribution: ca. 325.00 EUR
Aug 2018	MOAA Micro Travel Grant. Amount of the contribution: ca. 500.00 EUR
Sep 2017	Maria Ouria INdAM OOFLIND Fallowship Amount of the contribution: ca. 500.00 EUR
Feb 2015- Jan 2017	Marie Curie INDAM-COFUND Fellowship. Amount of the grant: ca. 100,000.00 EUR