

**UNIVERSITÀ DEGLI STUDI DI MILANO**

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**Diego Valota**  
**CURRICULUM VITAE**

**INFORMAZIONI PERSONALI**

<b>COGNOME</b>	<b>VALOTA</b>
<b>NOME</b>	<b>DIEGO</b>
<b>DATA DI NASCITA</b>	<b>02/08/1981</b>



## Europass Curriculum Vitae

### Personal information

Surname(s) / First name(s)

Valota Diego

### Work experience

Dates	February 2017 - <i>now</i>
Position	Postdoctoral Fellow
Activities	Research
	Lab. Instructor for the Logic Course, Undergraduate course in Computer Science A.A. 2016/2017
	Lab. Instructor for the Computer Science Course, Undergraduate course in Physics A.A. 2018/2019
Institute	Dipartimento di Informatica, Università degli Studi di Milano
Supervisor	Stefano Aguzzoli
Dates	March 2017 - January 2018
	March 2018 - January 2019
Position	Fixed-term Lecturer
Activity	Teaching "Laboratorio di Programmazione 1" (Basic Coding)
	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 Autònoma de Barcelona s/n 08193 Bellaterra, Spain
Supervisor	Luis Godó
Return Phase	Dipartimento di Informatica, Università degli Studi di Milano
Supervisor	Stefano Aguzzoli
Dates	May 2014 - January 2015
Position	Postdoc
Activity	Research and Development of Betting Systems for Non-Classical Events
Institute	Dipartimento di Scienze Teoriche e Applicate, Università degli Studi dell'Insubria, Via Mazzini 5, 21100, Varese, Italy
Supervisor	Brunella Gerla
Dates	February 2012 - April 2014
Position	Collaborator / Employee
Activity	Software Developer for Data Analysis and Prediction
Company	MediaSoft S.R.L., Piazzale Giulio Cesare 14, 20156 Milano, <a href="http://www.kubik.it">http://www.kubik.it</a>
Dates	June 2007
Position	PHP Teacher
Organization	Custodia S.r.l., Via G. Paglia 27, 24122 Bergamo
Dates	June 2006 - January 2007
Position	Collaborator

Activity Software Developer for RFID Systems  
 Person in charge of VIRTUALIS european research project  
 Company Eximia S.R.L., Via Melzi d'Eril 26, 20156 Milano, <http://www.eximia.it>

## 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)  
 Other language(s)

*Self-assessment  
 European level<sup>(1)</sup>*

**English**  
**French**  
**Spanish**

## Italian

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	B2	B2	B2
B2	B2	B1	B1	A2
B2	C1	B1	B1	B1

<sup>(1)</sup> 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, Digpp/RHIDE, SWI-Prolog, Apache Web Server, Wolfram's Mathematica, Visual Studio, Eclipse/CDT Discrete Knowledge of YAP Prolog, GNU Prolog, PostgreSQL, MySQL, Apache ActiveMQ
CAS:		Prover9/Mace4, SageMath, Wolfram's Mathematica
<b>Academic Activities</b>		
Research Interests and competences		Universal Algebra, Lattice and Order Theory, Category Theory, Formal Concept Analysis, Non-Classical Logics (mainly Many-Valued Logics), Equational Unification, Interpolation Properties
<b>Publications</b>		
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. <i>International Journal of Approximate Reasoning</i> , 104:57 – 74, 2019
3		D. Valota. Representations for logics and algebras related to revised drastic product t-norm. <i>Soft Computing</i> , 23(7):2331–2342, 2019
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. <i>Journal of Logic and Computation</i> , 22(3):417–450, 2012
Proceedings		
10		D. Valota. Spectra of Gödel algebras. In A. Silva et al., editor, <i>Tbilisi 2018</i> , volume 11456 of <i>Lecture Notes in Computer Science</i> . Springer, 2019 (To Appear)
9		S. Bonzio, M. Pra Baldi, and D. Valota. Counting finite linearly ordered involutive bisemilattices. In J. Desharnais, W. Guttmann, and S. Joosten, editors, <i>Relational and Algebraic Methods in Computer Science</i> , volume 11194 of <i>Lecture Notes in Computer Science</i> , pages 166–183. Springer International Publishing, 2018
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 Logic and Technology 2017</i> , pages 12–24. Springer, 2018
6		S. Aguzzoli, M. Bianchi, B. Gerla, and D. Valota. Probability Measures in Gödel <sub>Δ</sub> Logic. 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

5	D. Valota. Computing uniform interpolants in nilpotent minimum logic. In <i>47th IEEE International Symposium on Multiple-Valued Logic, ISMVL 2017, Novi Sad, Serbia, May 22-24, 2017</i> , pages 242–247. 2017
4	P. Codara and D. Valota. On Gödel Algebras of Concepts. In <i>Logic, Language, and Computation: 11th International Tbilisi Symposium on Logic, Language, and Computation, TbiLLC 2015, Tbilisi, Georgia, September 21-26, 2015, Revised Selected Papers</i> , 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 lukasiewicz 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 <i>Multiple-Valued Logic (ISMVL), 2015 IEEE International Symposium on</i> , 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 ( <b>invited talk</b> ). 11th Annual CECAT Workshop in Pointfree Mathematics, Orange, 07 February 2019.
22	Counting finite linearly ordered involutive bisemilattices. RAMICS 2018, Gröningen, 01 November 2018.
21	Towards a Propositional Logical Structure of Ambiguous Words in Weighted Automata ( <b>invited talk</b> ). Ambiguity Workshop, Sofia, 06 August 2018.
20	Computing Spectra of Many-Valued Logics, via Dualities. Logic Colloquium 2018, Udine, 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 ( <b>plenary talk</b> ). 12th International Conference ERLAGOL-17, Altai Mountains, June 27, 2017.
14	Computing Uniform Interpolants in Nilpotent Minimum Logic. 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 Trends in Logic XV, Delft, July 2, 2015

8	Representation of Free Finitely Generated Weak Nilpotent Minimum Algebras TACL 2015, Ischia, June 25, 2015
7	Contexts of Finite Gödel Algebras: First Steps on Characterization and Computation Logic Seminar, University of Milan, June 12, 2015
6	Computing Amalgams and Interpolants in Finite Gödel Algebras via Duality 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 Pisa Summer Workshop on Proof Theory, Pisa 2012
3	A Duality for Finite NMG Algebras Panhellenic Logic Symposium 8, Ioannina 2011
2	Unitary Unification in Subvarieties of WNM Algebras ManyVal 2010, Varese 2010
1	Spectral Duality for Finitely Generated RDP Algebras Workshop on Probability, Uncertainty and Rationality, Pontignano 2009
<b>Projects</b>	
Proponent and Coordinator	Marie Curie INdAM-COFUND-2012 accepted project: A Duality-based Approach to Deduction and Reasoning 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: VIRTUALIS European Research Project (2006/2007/2008)
<b>Teaching</b>	
Teacher	Course on <i>Handling Vagueness in Logic</i> , via <i>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	Computer Science Lab., Undergraduate course in Physics A.A. 2018/2019 Logic Lab. for Logic Course, Undergraduate course in Computer Science A.A. 2016/2017 Computer Science Lab. for General Mathematics and Statistics Lab. Course, Undergraduate course in Biology A.A. 2009/2010
<b>Visits</b>	
25/01/19 - 28/01/19	Prof. P. Jipsen, Center of Excellence in Computation, Algebra and Topology, Chapman University, Orange, 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.
<b>Advisorships</b>	
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
<b>Conferences</b>	

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, Gröningen, 01 Nov. 2018. 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, Lugano, July 13, 2017. 12th International Conference ERLAGOL-17, Altai Mountains, June 27, 2017. 47th IEEE International Symposium on Multiple-Valued Logic, Novi Sad, May 24, 2017. 11th Int. Tbilisi Symp. on Language, Logic and Computation, Tbilisi, Georgia, September 25, 2015 Trends in Logic XV, Delft, Netherlands, July 2, 2015 TACL 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 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 Behind Computational Intelligence at FOCI/SSCI 2017, Honolulu, Hawaii Recent trends in many-valued logic and fuzziness at: FUZZ-IEEE 2015, Istanbul, Turkey, WCCI/FUZZ-IEEE 2016, Vancouver, Canada, FUZZ-IEEE 2017, Naples, Italy, WCCI/FUZZ-IEEE 2018, Rio de Janeiro, Brazil.
Programme Committee	FUZZ-IEEE 2015, Istanbul, Turkey WCCI/FUZZ-IEEE 2016, Vancouver, Canada FUZZ-IEEE 2017, Naples, Italy WCCI/FUZZ-IEEE 2018, Rio de Janeiro, Brazil FOCI/SSCI 2017, Honolulu, Hawaii

## Additional Informations

Reviewer	FSS, MVLS, BSL, SoCo, IJAR IJCAI 2011, IJCAI 2015, FUZZ-IEEE 2015, FUZZ-IEEE 2016, LANMR2016, FUZZ-IEEE 2017, IPMU2018, LATD2018, LSFA2019, WoLLIC2019
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)
Grants and Awards	
Feb 2019	H2020-MSCA-RISE SYSMICS project for research visits. Amount of the grant: ca. 3,000.00 EUR
Jul 2018	GNSAGA grant for conferences participation. Amount of the contribution: ca. 325.00 EUR
Aug 2018	MCAA Micro Travel Grant. Amount of the contribution: ca. 500.00 EUR
Sep 2017	MCAA Micro Travel Grant. 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
Premio AILA 3+2 2008	Awarded by Italian Association for Logic and Application, for the best thesis in Logic.

Data

27/07/2019

Luogo

Milano