

CURRICULUM VITAE ABREVIADO (CVA)

IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.

Part A. PERSONAL INFORMATION

First name	Luis		
Family name	Godo Lacasa		
Gender (*)	Male	Birth date (dd/mm/yyyy)	09/11/1957
NIF	40511718R		
e-mail	godo@iia.csic.es	URL Web: www.iia.csic.es/~godo	
Open Researcher and Contributor ID (ORCID) (*)	0000-0002-6929-3126		

(*) Mandatory

A.1. Current position

Position	Research Professor		
Initial date	14/06/2005		
Institution	Agencia Estatal Consejo Sup. de Investigaciones Científicas, CSIC		
Department/Center	Instituto de Investigación en Inteligencia Artificial, IIIA		
Country	Spain	Teleph. number	93 5809570, ext. 217
Keywords	Mathematical Fuzzy Logic, Uncertainty reasoning, Logics for AI, Argumentation		

A.2. Previous positions (research activity interruptions, indicate total months)

Period	Position/Institution/Country/Interruption cause
2002-2005	Investigador Científico, IIIA - CSIC
1992-2002	Científico Titular, IIIA - CSIC

A.3. Education

Degree / PhD	University/Country	Year
Degree in Mathematics	Universidad de Barcelona (UB)	1979
PhD in Mathematics	Universidad Politécnica de Cataluña (UPC)	1990

Part B. CV SUMMARY (max. 5000 characters, including spaces)

Lluís Godó is a Research Professor at IIIA-CSIC, the Artificial Intelligence Research Institute (IIIA) of the Spanish National Research Council (CSIC), Barcelona, Spain. He obtained his MSc degree in Mathematics from the University of Barcelona (1979) and the PhD in Mathematics from the Technical University of Catalunya (1990). His main research interests include logics for Artificial Intelligence (AI), in particular graded uncertainty reasoning formalisms, mathematical fuzzy logic and computational argumentation systems, and its applications to multi-agent systems.

In particular, together with F. Esteva and other colleagues like the late P. Hájek (Czech Rep.) and F. Montagna (Italy), he has been one of the developers of the relatively new discipline “Mathematical Fuzzy Logic”, nowadays with an international community with highly reputed members in areas like non-classical and algebraic logics. The introduction of the so-called Basic Fuzzy logic BL by Hájek, and the Monoidal t-norm based Fuzzy Logic (MTL) by Esteva and Godó have been milestones in this research field, to which Lluís Godó has notably contributed with relevant works, not only from a logico-algebraic point of view but also from a more applied perspective. In this respect, it is worth mentioning that applying the framework of mathematical fuzzy logic to provide a logical basis for different models of approximate reasoning has been, and still is, another main research line developed by Lluís Godó. Namely, this includes investigating fuzzy modal systems from a theoretical perspective but also for modelling similarity-based reasoning as well as reasoning about (probabilistic, possibilistic) uncertainty or preferences, both for classical and many-valued events. In this line of works, he



has mainly collaborated with Francesc Esteve and Tommaso Flaminio (IIIA), Pilar Dellunde (Autonomous University Barcelona), Joan Gispert (University of Barcelona), Hykel Hosni (Italy), Ricardo Rodríguez (Argentina), Marcelo Coniglio and Rodolfo Ertola (Brasil), Thomas Vetterlein (Austria), Amanda Vidal (IIIA) and Sara Ugolini (IIIA).

On the other hand, the study of computational argumentation systems managing imprecise or uncertain information is another topic on which he has worked in the last years. In fact, in this topic there is a long and fruitful cooperation with the group from the DIEI (University of Lleida, Teresa Alsinet and Ramón Béjar) through different national projects, and with the group of Guillermo Simari, from the Universidad Nacional del Sur (Bahía Blanca, Argentina), one of the strongest international groups in the area of theory and practice of argumentation systems and defeasible logic programming.

Lluís Godo is author of more than 200 publications in international journals and conferences. He has served in the PC of numerous national and international AI-oriented conferences (ECAI, ECSQARU, IJCAI, KR, UAI, AAMAS, SUM, CCIA, CAEPIA) and more fuzzy logic-oriented conferences (EUSFLAT, FUZZ-IEEE, IFSA, IPMU, LATD, ManyVal, ESTYLF). He is currently co-Editor-in-Chief of the journal *Fuzzy Sets and Systems* (Elsevier) and Associate Editor of the journal *Autonomous Agents and Multi-Agent Systems* (Springer). In the recent past he has also been associate editor of *Artificial Intelligence* (Elsevier) and *Soft Computing* (Springer). He is member of the editorial board of *Progress in Artificial Intelligence* (Springer). Moreover, he has been guest editor of several special issues of international journals, like *Fuzzy Sets and Systems* (FSS), *Intl. Journal of Approx. Reasoning* (IJAR), *Journal of Applied Logic* (JAL), and (co-)editor of several volumes of the LNCS/LNAI series.

Luis Godo has been reviewer in several national funding agencies, like AEI, CYCIT, ANEP AGAUR, GESVAL and NAVARRABIOMED, as well as in international agencies like the NFS (National Science Foundation, EEUU), ANR (Agence Nationale de la Recherche, Francia), GA CR (Czech Academy of Sciences de Ciencias Checa), OSF (Polish Agency), and ANVUR (Agenzia Nazionale per la Valutazione del sistema Universitario e della Ricerca, Italia), Swiss National Science Foundation (SNSF). Besides, he has been member of the Comisión 6.2 of the CNEAI (2103, 2014).

He is past vice-president of the European Society for Fuzzy Logic Technologies (EUSFLAT) and of the Catalan AI association (ACIA). In 2006 he was nominated Fellow of the European Coordinating Committee for Artificial Intelligence (ECCAI, currently EurAI) and in 2013 Fellow of the International Fuzzy Sets Association (IFSA).

Bibliometric data:

Six-year research terms (sexenios de investigación): 5, last one awarded in 2017

PhD thesis supervised in the last 10 years: 5 (8 in total)

Total citations: **3259** (Web of Science), **4531** (Scopus), **10757** (Google Scholar)

Citations over the last 5 years (2018-2022): **756** (Web of Science), **1037** (Scopus), **2020** (Google Scholar)

Total Indexed Publications (WoS): **203**, from which 85 are in JCR journals, 21 in first quartile.

Total Publications in DBLP: **110** journal papers, **125** conference proceedings papers.

H-index: **29** (Web of Science), **35** (Scopus), **55** (Google Scholar)

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (see instructions)

- T. Flaminio, L. Godo, E. Marchioni (2013). Logics for belief functions on MV-algebras. *Int. J. Approx. Reasoning* 54(4): 491-512.
- T. Flaminio, L. Godo, H. Hosni (2015). Coherence in the aggregate: A betting method for belief functions on many-valued events. *Int. J. Approx. Reasoning* 58: 71-86 (2015)



- K. Bauters, K. McAreevey, W. Liu, J. Hong, L. Godo, C. Sierra (2017) Managing Different Sources of Uncertainty in a BDI Framework in a Principled Way with Tractable Fragments. *J. Artif. Intell. Res.* 58: 731-775.
- T. Flaminio, L. Godo, S. Ugolini (2018). Towards a probability theory for product logic: states, integral representation and reasoning. *Int. J. of Approximate Reasoning.* 93, pp. 199-218.
- M. E. Coniglio, F. Esteva, J. Gispert, L. Godo (2019). Maximality in finite-valued Łukasiewicz logics defined by order filters. *J. Log. Comput.* 29(1): 125-156.
- T. Flaminio, L. Godo, H. Hosni (2020). Boolean algebras of conditionals, probability and logic. *Artif. Intell.* 286: 103347.
- J.C. Teze, L. Godo (2021). An Architecture for Argumentation-Based Epistemic Planning: A First Approach with Contextual Preferences. *IEEE Intell. Syst.* 36(2): 43-51.
- F. Esteva, A. Figallo-Orellano, T. Flaminio, L. Godo (2021) Logics of formal inconsistency based on distributive involutive residuated lattices. *J. Log. Comput.* 31(5): 1226-1265.
- J.C. Teze, L. Godo, G.I. Simari (2022). An approach to improve argumentation-based epistemic planning with contextual preferences. *Int. J. Approx. Reason.* 151: 130-163.
- T. Flaminio, A. Gilio, L. Godo, G. Sanfilippo (2022). Compound Conditionals as Random Quantities and Boolean Algebras. *Proc. of 19th Intl. Conf Principles of Knowledge Representation and Reasoning (KR 2022)*, Haifa, Israel, pp. 141-151.

C.2. Conferences, indicating the modality of their participation (invited conference, oral presentation, poster)

Invited talks (last 5 years):

- 17th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, IPMU 2018, Cádiz, Spain, June 11-15, 2018.
Talk: *Uncertainty and many-valued events: betting methods, geometry and reasoning*
- VI Congresso Brasileiro de Sistemas Fuzzy, CBSF 2021, Universidade Estadual Paulista, 03 a 05 de novembro de 2021, São José do Rio Preto, São Paulo, Brasil.
Talk: *From Fuzzy Sets to Mathematical Fuzzy Logic*
- Simposio Latinoamericano de Lógica Matemática, SLALM 2022, Universidad de Costa Rica, San José (Costa Rica), 26 al 30 de julio, 2022
Talk: *de Finetti's three-valued conditionals and Boolean algebras of conditionals: two sides of a same coin*
- 20th Brazilian Logic Conference, EBL 2022, Salvador, BA from Sep 12 to Sep 16 of 2022
Talk: *On many-valued modal logics and graded beliefs*

Membership to Program Committees (last 10 years):

- Member of the Program Committee of ECSQARU 2013, CLIMA XIV, EUSFLAT 2013, SUM 2013
- "Area chair" (uncertainty) de la conferencia IJCAI 2013 (Beijing, China, August 2013).
- Member of the Program Committee of KR 2014, JELIA 2014, IPMU 2014, COMMA 2014
- "Area chair" (uncertainty) de la conferencia ECAI 2014 (Prague, Czech Rep., Aug. 2014).
- Member of the Program Committee of ECSQARU 2015 (Compiègne, Francia, 2015), SUM 2015 (Vancouver, Canada), UAI 2015 (Amsterdam, Holanda), IFSA-EUSFLAT (Gijón), ManyVal 2015 (Switzerland)
- "Area chair" of the conference IJCAI 2015 (Buenos Aires, Julio 2015)
- Member of the Program Committee of UAI-2016. UAI-2018, COMMA 2016, FoIKS 2016, IPMU 2016, KR 2016, SUM 2016, UAI-2017, EUSFLAT 2017
- "Senior PC member" of the conference ECAI 2016 (Netherlands, August 2016)
- "Area chair" of the conference IJCAI 2017 (Melbourne, Australia).
- "Senior PC member" of the conference ECAI 2018 (Stockholm, Sweden).
Member of the Program Committee of UAI-2018, IPMU 2018, COMMA 2018
- Area chair of IJCAI 2019 (Macao, China)
Co-chair of the Program Committee" of EUSFLAT 2019 (Prague, Czech Republic) and ManyVal 2019 (Bucarest, Romania)
- Member of the Program Committee of ECSQARU 2019, SUM 2019, WoLLIC 2019, SLALM 2019, SYSMICS 2019, LFA 2019, ESCIM 2019.
- "Senior PC member" of IJCAI 2020, Yokohama, Japan.



“Senior PC member” of ECAI 2020, Santiago de Compostela, Spain.

Member of the Program Committee of FLAIRS 33 (2020), IPMU 2020, LATD 2020

- “Senior PC member” of IJCAI 2021, Montreal, Canada.
Member of the Program Committee of JELIA 2021, ECSQARU 2021, FLAIRS 34 (2021), IFSA-EUSFLAT 2021, ISIPTA 2021, NMR 2021, ESCIM 2021, CAEPIA 20-21, CCIA 2021
- “Senior PC member” of IJCAI-ECAI 2022, Vienna, Austria.
Member of the Program Committee of KR 2022, FLAIRS 35 (2022), IPMU 2022, LATD 2022, COMMA 2022, SUM 2022, NMR 2022, ESTYLF 2022

C.3. Research projects, indicating your personal contribution. In the case of young researchers, indicate lines of research for which they have been responsible.

PROJECT TITLE: MaToMUVI: Mathematical Tools for Managing Uncertain and Vague Information.

FUNDING AGENCY: FP7-PEOPLE-2009-IRSES - (PIRSES-GA-2009- 247584)

DURATION, SINCE: Mars 2011 UNTIL: April 2014

FUNDING: 55.800 €

EUROPEAN COORDINATOR: Luca Spada (Universidad Salerno, Italia)

PARTICIPATION: Researcher and CSIC Team coordinator

PROJECT TITLE: EdeTRI: Study and development of technologies for the efficient resolution of reasoning problems with incomplete information.

FUNDING AGENCY: MINECO, TIN2012-39348-C02-01

DURATION, SINCE: January 2013 UNTIL: December 2016

FUNDING: 45.138,60 €

PRINCIPAL INVESTIGATOR: Luis Godo (IIIA-CSIC)

PARTICIPACIÓN: Investigador principal

PROJECT TITLE: RASO: Razonamiento, Satisfacción y Optimización.

FUNDING AGENCY: MINECO, TIN2015-71799-C2-1-P

DURATION, SINCE: January 2016 UNTIL: December 2019 (extended to Dec 2020)

FUNDING: 94.985,00 €

PRINCIPAL INVESTIGATOR: Luis Godo (IIIA-CSIC)

PARTICIPATION: Investigador Principal

PROJECT TITLE: SYSMICS: Syntax meets Semantics – Methods, Interactions, and Connections in Substructural logics.

FUNDING AGENCY: EU H2020-MSCA-RISE-2015 project 689176

DURATION, SINCE: Mars 2016 UNTIL: Mars 2019

FUNDING: 504.000 €

EUROPEAN COORDINATOR: Luca Spada (Universidad Salerno, Italia)

PARTICIPATION: Researcher and CSIC Team coordinator

PROJECT TITLE: ISINC: Inference Systems for Inconsistent Information: logical foundations.

FUNDING AGENCY: MICINN, PID2019-111544GB-C21

DURATION, SINCE: June 2020 UNTIL: May 2023

FUNDING: 93.533 €

PRINCIPAL INVESTIGATOR: Luis Godo (IIIA-CSIC)

PARTICIPATION: Investigador Principal

PROJECT TITLE: MOSAIC: Modalities in Substructural Logics: Theory, Methods and Applications.

FUNDING AGENCY: EU H2020-MSCA-RISE-2020 project 101007627

DURATION, SINCE: September 2021 UNTIL: August 2025

FUNDING: 1.016.000 €

EUROPEAN COORDINATOR: Tommaso Flaminio Spada (IIIA - CSIC, España)

PARTICIPATION: Researcher