CURRICULUM VITAE ABREVIADO (CVA)

Part A. PERSONAL INFORMATION

First name	Wernher Marco		
Family name	Schorlemmer		
Gender	male	Birth date (dd/mm/yyyy)	05/01/1970
NIE id number	X0876744-F		
e-mail	marco@iiia.csic.es	URL Web	www.iiia.csic.es/~marco
Open Researcher and Contributor ID (ORCID)	0000-0002-9591-3325		

A.1. Current position

Position	Científico Titular de los OPI (Investigador A3)		
Initial date	15/09/2009		
Institution	Consejo Superior de Investigaciones Científicas		
Department/Center	Instituto de Investigación en Inteligencia Artificial		
Country	Spain	Teleph. number	+34 935809570
Key words	knowledge representation, semantic technologies, multiagent systems		

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

Period	Position/Institution/Country/Interruption cause
2004 - 2009	Titulado Superior con Grado de Doctor, IIIA-CSIC, Spain
2003 - 2004	Investigador, Universitat Internacional de Catalunya, Spain
2001 - 2003	Research Fellow, The University of Edinburgh, UK
1998 - 2001	Profesor asociado, Universitat Politècnica de Catalunya, Spain

A.3. Education

PhD, Licenciate, Graduate	University/Country	Year
Doctorate in Informatics	Universitat Politècnica de Catalunya, Spain	1999
Liscenciate in Informatics	Universitat Politècnica de Catalunya, Spain	1993

Part B. CV SUMMARY

Tenured Scientist at IIIA-CSIC, PhD in Computer Science from the UPC. My research is in Computer Science and Artificial Intelligence, namely on Knowledge Representation. The general objective that I have pursued has been the engineering of computational systems enabled by semantic technologies. These technologies focus on the meaning of the information processed by computational systems, so that they can understand the information, and thus provide – through automatic reasoning – a more intelligent and effective interaction. During my scientific career I have addressed this general objective mainly in three application domains, researching semantic technologies on the web, in multi-agent systems and in computational creativity.

Scientific and technical contributions: 4 research "sexenios" + 1 technology-transfer "sexenio", 100+ publications (total citations: 4362; h-index: 27)[1] in the area of Artificial Intelligence, 40 of them in indexed academic journals and in conference proceedings with strict selection criteria (CORE A/A*).[2]

Leadership and independence: IP of 3 European research projects, coordinating one of them; and IP of 3 national research projects and 2 technology transfer projects, drawing a total of 1.96 M€ in competitive funding. Director of 6 PhD theses and responsible of 4 postdoctoral researchers. Head of department and responsible for the Multiagent Systems group at IIIA-CSIC.

[1] https://scholar.google.com/citations?user=s46Js1oAAAAJ

[2] In the area of Computer Science and Artificial Intelligence, A or A* level conferences according to the CORE classification (http://portal.core.edu.au/conf-ranks/) follow similar or even stricter selection criteria than academic journals.

Mobility and internationalization: International stays of a total of 3+ years at: SRI International (USA), Indiana University (USA), The University of Edinburgh (UK) and Universität Osnabrück (D). Member of the organizing committees of 7 international events (congresses, workshops, seminars) and of 40+ program committees, including those of the most prestigious international conferences in the research area (IJCAI, AAAI, ECAI, AAMAS, CogSci, FOIS, ICCC, ISWC, WWW). Member of the editorial board of Applied Ontology, Applied Intelligence and Automated Experimentation. Reviewer for 6 project evaluation bodies (Switzerland, Germany, Netherlands, Portugal, Spain, Chile) and for 30 international journals. Participant in the European consortia WeNet, SINTELNET, COINVENT, ESSENCE and OpenKnowledge.

Part C. RELEVANT MERITS *(sorted by typology)*

C.1. Publications

100+ peer reviewed publications. Selection of 10 articles in Q1 journals (SJR[3]):

1. T. Freitas dos Santos, N. Osman, M. Schorlemmer (2024): Is this a violation? Learning and understanding norm violations in online communities. ***Artif Intell***, 327:104058, 2024. DOI: 10.1016/j.artint.2023.104058
2. M. Schorlemmer, E.Plaza (2021). A uniform model of computational conceptual blending. ***Cogn Syst Res***, 65:118–137. DOI: 10.1016/j.cogsys.2020.10.003
3. M. Eppe, E. Maclean, R. Confalonieri, O. Kutz, M. Schorlemmer, E. Plaza, K.-U. Kühnberger (2018). A computational framework for conceptual blending. ***Artif Intell***, 256:105–129. DOI: 10.1016/j.artint.2017.11.005.
4. M. Atencia, M. Schorlemmer (2012). An interaction-based approach to semantic alignment. ***J Web Semant***, 12–13:131–147. DOI: 10.1016/j.websem.2011.12.001
5. A. Koster, M. Schorlemmer, J. Sabater-Mir (2012). Engineering trust alignment: Theory, method and experimentation. ***Int J Hum Comput Stud***, 70(6):450–473. DOI: 10.1016/j.ijhcs.2012.02.007
6. M. Schorlemmer, D. Robertson (2011). Reasoning about distributed knowledge-transforming peer interactions. ***IEEE Trans Knowl Data Eng***, 23(9):1419–1431. DOI: 10.1109/TKDE.2010.265
7. S. Joseph, C. Sierra, M. Schorlemmer, P. Dellunde (2010). Deductive coherence and norm adoption. ***Log J IGPL***, 18(1):118–156. DOI: 10.1093/jigpal/jzp074
8. A. Perreau de Pinninck, C. Sierra, M. Schorlemmer (2010). A multiagent network for peer norm enforcement. ***Auton Agents Multi-Agent Syst***, 21:397–424. DOI: 10.1007/s10458-009-9107-8
9. M. Schorlemmer, Y. Kalfoglou (2008). Institutionalising ontology-based semantic integration. ***Appl Ontol*****,** 3(3):131–150. DOI: 10.3233/AO-2008-0041
10. M. Schorlemmer, Y. Kalfoglou, M. Atencia (2007). A formal foundation for ontology-alignment interaction models. ***Int J Semant Web Inf Syst***, 3(2):50–68. DOI: 10.4018/jswis.2007040103

C.2. Conferences

Papers (with oral presentatiopn) in 40+ editions of national and international conferences. Selection of 8 long papers in A* conference procedings (CORE[4]):

1. T. Freitas dos Santos, N. Osman, M. Schorlemmer, T. B. S. Savarimuthu (2023). Cross-community adapter learning (CAL) to understand the evolving meaning of norm violation. In *Proc. of **IJCAI 2023**, Macau, China, August 19-25,* pp. 109-117. DOI: 10.24963/ijcai.2023/13
2. T. Freitas dos Santos, N. Osman, M. Schorlemmer (2022). Ensemble and Incremental Learning for Norm Violation Detection. In *Proc. of **AAMAS 2022**, online, May 9-13,* pp. 427–435. DOI: 10.5555/3535850.3535899
3. P. Chocrón, M. Schorlemmer (2018). Inferring Commitment Semantics in Multi-Agent Interactions. In *Proc. of **AAMAS 2018**, Stockholm, Sweden, July 10-15*, pp. 1150–1158. DOI: 10.5555/3237383.3237867

[3] https://www.scimagojr.com/

[4] http://portal.core.edu.au/conf-ranks/

4. P. Chocrón, M. Schorlemmer (2017). Vocabulary alignment in openly specified interactions. In *Proc. of **AAMAS 2017**, São Paolo, Brazil, May 8-12*, pp. 1064–1072. DOI: 10.5555/3091125.3091275
5. M. Eppe, R. Confalonieri, E. Maclean, M. Kaliakatsos, E. Cambouropoulos, M. Schorlemmer, K.-U. Kühnberger (2015). Computational invention of cadences and chord progressions by conceptual chord-blending. In *Proc. of **IJCAI 2015**, Buenos Aires, Argentina, July 25-31*, pp. 2445–2451. DOI: 10.5555/2832581.2832590
6. A. Koster, J. Sabater-Mir, M. Schorlemmer (2012). Personalizing communication about trust. In *Proc. of **AAMAS 2012**, Valencia, Spain June 4-8,* pp. 517–524. DOI: 10.5555/2343576.2343650
7. M. Atencia, M. Schorlemmer (2007). A formal model for situated semantic alignment. In *Proc. of **AAMAS** 2007, Honolulu, Hawai'i, May 14-18*, pp. 1270–1277. DOI: 10.1145/1329125.1329398
8. M. Schorlemmer, Y. Kalfoglou (2005). Progressive ontology alignment for meaning coordination: An information-theoretic foundation. In *Proc. of **AAMAS** 2005, Utrecht, The Netherlands, July 25-29,* pp. 737–744. DOI: 10.1145/1082473.1082586

- Member of organizing comittees: WINK2@JOWO 2019, C3GI@UNILOG 2015, C3GI@ECAI 2014, C3GI@IJCAI 2013, C3GI@ECAI 2012, IJCAI 2011, Dagstuhl Seminar 04391 (2004)
- Member of program comittees: In 40+ editions of national and int. conferences (CCIA, FOIS, CogSci, CONTEXT, IJCAI, AT, ISWC, AAAI, ICCC, ECAI, MATES, WWW, SAC, AAMAS, CELC)

C.3. Research projects

Participant of 19 competitive research projects. Selection of 10 projects led as coordinator, PI or work package leader:

EU Research Projects:

2013 – 2017 *ESSENCE*, Marie-Curie Action – Initial Training Network FP7-607062 (654.047 €)
Principal Investigator

2013 – 2016 *COINVENT*, Collaborative Project FP7-611553 (406.853 €)
Consortium Coordinator

2006 – 2009 *OpenKnowledge*, STReP FP6-027253 (590.787 €)
Principal Investigator

National Research Projects:

2020 – 2024 *CORPORIS*, Proyecto I+D+i 2019 – RTI, PID2019-109677RB-I00 (36.179 €)
Principal Investigator

2007 – 2014 *Agreement Technologies*, CONSOLIDER CSD2007-00022, INGENIO 2010 (2.619.311 €)
Work Package Leader (PI: Carles Sierra, IIIA-CSIC)

2011 – 2013 *CBIT***,** Proyecto I+D TIN2010-16306 (60.984 €)
Principal Investigator

2006 – 2008 *IberOpenKnowledge*, Acción Complementaria TIN2006-26888-E (31.900 €)
Principal Investigator

2004 – 2007 *UPIC*, Proyecto I+D coordinado TIN2004-07461-C02-02 (50.600 €)
Work Package Leader (PI: Joan Antoni Pastor, UIC)

Technology Transfer Projects

2022 – 2024 *smartNorms*, AGAUR, Generalitat de Catalunya, 2021 PROD 00031 (99.693 €)
Principal Investigator

2019 – 2022 *smartNorms4BIM*, ACCIÓ, G. de Catalunya, INNOTECRD19-1-0045 (76.191 €)
Principal Investigator

Financiación total obtenida como IP: 1,96 M€

C.4. Contracts, technological or transfer merits

Registered software:

2016 *uHelp: Tecnologías inteligentes de la información para facilitar el desarrollo de comunidades de ayuda mutua.*
C. Sierra, N. Osman, B. Rosell, L. Lemus, M. Schorlemmer, J. Sabater, J. Puyol, P. García.
CISC, registration number 3734/2016.

- Available at *App Sore* and *Google Play.*
- Validated by *Federació Catalana de Famílies Monoparentals*.
- Seed Technology for EU FET PROACTIVE project *WeNet.*

Partcipitation in technology support contracts:

2018 *SIGMA Gestión Universitaria A.I.E*. Plataforma de producción científica para universidades (10.817 €). PI: Josep Puyol-Gruart

2017 – 2018 *SIGMA Gestión Universitaria A.I.E***.** Plataforma de web semántica para universidades basada en VIVO (21.478 €)**.** PI: Josep Puyol-Gruart.

2010 *AINIA***.** Formación y asesoramiento tecnológico en la representación del conocimiento y la ingeniería de ontologías para la web semántica (1.778 €).
Principal Investigator: M. Schorlemmer

C.5. Other merits

- Leadership of scientific units:
  Head of department and leader of the Multi-Agent Systems group, IIIA-CSIC (since 2017)
- PhD thesis supervision:
  Thiago Freitas dos Santos (UAB, 2020-2024), Paula Chocrón (UAB, 2014–2018), Andrew Koster (UAB, 2008–2012), Sindhu Joseph (UAB, 2006–2010), Manuel Atencia (UAB, 2006–2010), Adrián Perreaux de Pinninck (UAB, 2006–2010), Fiona McNeill (U. Edinburgh, 2002–2006).
- Supervision of postdoctoral researchers:
  Dagmar Gromann (2015–2017), Roberto Confalonieri (2014–2016), Félix Bou (2014–2016), Manfred Eppe (2014–2015)
- Member of editorial boards:
  Applied Ontology (since 2017), *Applied Intelligence* (since 2018) and *Automated Experimentation* (2009–2011).
- Reviewer for project evaluation bodies:
  SNSF, Suiza (2021); Einstein Foundation Berlin, Alemania (2019); NWO, Países Bajos (2012); FCT, Protugal (2011); ANEP, España (2009); Programa Nacional de Proyectos de Investigación Fundamental (vocal), España (2008); CONICYT, Chile (2006)
- Reviewer for academic journals:
  AI Commun., Appl. Intell., Appl. Ontol., Autom. Exp., Data and Knowl. Eng., Fuzzy Sets Syst., IEEE Trans. Parallel Distrib. Syst., IEEE Trans. Knowl. Data Eng., Heliyon, Int. J. Agent-Oriented Softw. Eng., Int. J. Comput. Intell. Syst., Int. J. Uncertain. Fuzz., Int. J. Semant. Web Inf. Syst., J. Artif. Intell. Res., J. Autom. Reason., Auton. Agents Multi-Agent Syst., J. Log. Lang. Inf., Inf. Technol. Tour., J. Univers. Comput. Sci., Web Semant., J. Data Semant., Knowl. Inf. Syst., Knowl. Eng. Rev., Math. Probl. Eng., Semant. Web, Stud. Log., IEEE Trans. Syst. Man Cybern., Top. Cogn. Sci., World Wide Web.
- Research stays:
  - *Universität Osnabrück,* Institute of Cognitive Science (2023, 3 months)
  - *The University of Edinburgh*, School of Informatics (2001–2003, 2 years and 8 months)
  - *Indiana University*, Visual Inference Laboratory (1999, 3 months)
  - *SRI International* (1997, 8 months)
- Accreditations and scholarships:
  - Profesor Contratado Doctor (2008) and Profesor Lector (2007)
  - Investigador *Ramon y Cajal,* Ministerio de Ciencia y Tecnología (2003–2009)
  - Becas de investigación *BE, Generalitat de Catalunya (1997 y 1999)*
  - Beca predoctoral para Arquitectos, Ing. Superiores y Lic. en Informática, CSIC (1994–1997)