

# Curriculum Vitae

Name: Jordi Sabater Mir

Date: 28-03-2019

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## PERSONAL DATA

Family name: Sabater Mir  
ID/Passport no: 52164976-X  
Nationality: Spanish

Date of birth: 02-02-1973

Forename: Jordi  
Gender: M

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## PRESENT PROFESSIONAL POSITION

Institution: CSIC - Consejo Superior de Investigaciones Científicas  
Faculty, School or Institute: IIIA - Institut d'Investigació en Intel·ligència Artificial  
Address: Campus Universitat Autònoma de Barcelona, 08193 Bellaterra, Barcelona  
Country: Spain

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Field of study (UNESCO codes): 12 03 04

Professional status: Tenured Scientist (Científico titular)

Start date: 19-07-2008

Administrative status: Civil Servant - Full time

Numero de Quinquenios concedidos: 3

Numero de Sexenios concedidos: 3

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## PRESENT RESEARCH AREA

Multi-agent systems, Autonomous agents, Virtual Agents, Agent based social simulation, Computational cognitive models, Cognitive architectures, Social Artificial Intelligence, Computational trust and reputation models

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## ACADEMIC BACKGROUND

Bachelor	Centre	Date
Engineer in Computer Science	Universitat Autònoma de Barcelona (UAB)	25-07-1997
Master in Artificial Intelligence	IIIA-CSIC / UAB	25-07-1999
PhD	Centre	Date
Computer Science (Artificial Intelligence)	IIIA-CSIC / UAB	28-07-2003

PhD supervisor: Carles Sierra Garcia

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## PAST SCIENTIFIC EXPERIENCE

Position	Centre	Institution	Start date	End date
Inv. Ramón y Cajal	IIIA	CSIC	01/02/2006	18/07/2008
Professor lector	EPS (Escola Politècnica Superior)	UdL (Universitat de Lleida)	01/11/2005	31/01/2006
Marie Curie Fellow	Institute of Cognitive Science and Technology	CNR (Consiglio Nazionale delle Ricerche)	01/11/2003	31/10/2005
Visiting researcher	Institute of Cognitive Science and Technology	CNR (Consiglio Nazionale delle Ricerche)	01/07/2003	31/10/2003
Research assistant	IIIA / Univ. Edinburgh / Univ. Liverpool	CSIC / Univ. Edinburgh / Univ. Liverpool	01/04/2000	30/04/2003
Research assistant	Consorci Sanitari Mataró / IIIA	Consorci Sanitari Mataró / CSIC	01/10/1997	31/03/2000
Collaboration Fellow	Dep. Combinatorial and Digital Communication	UAB (Univ. Autònoma de Barcelona)	01/09/1995	01/09/1996

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**LANGUAGES (N = NORMAL, G = GOOD, P = PERFECTLY)**

<u>Language</u>	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Catalan	P	P	P
Spanish	P	P	P
English	P	P	P
Italian	G	P	N
French	-	N	-

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## PARTICIPATION IN RESEARCH PROJECTS

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### Summary:

I have participated as Principal Investigator in:

- 2 European projects (eRep (Social knowledge for e-Governance) (CIT5-028575-STP), SocialRep (MERG-CT-2005/029161))
- 6 national projects

I have participated as researcher in:

- 3 European projects (LiquidPub (FP7-ICT-2007-C213360), OpenKnowledge (IST-4-027253-STP), SLIE (IST-1999-10948))
- 1 Coordinated Action (SINTELNET (FP7-ICT2009-C 286370))
- 2 COST Actions (Agreement Technologies COST Action (COST-IC0801), PEERE COST Action (TD-1306)). In the PEER COST Action I was also part of the Management Committee.
- 7 national projects.

### International Projects

#### \*\*\*\*\* Past projects

PROJECT TITLE: New Frontiers of Peer Review (PEERE)  
FINANCIAL ENTITY: European Union  
PROJECT REF: COST - TD1306  
AMOUNT:  
LENGTH FROM: 12/05/2014 TO: 11/05/2018  
COORDINATOR: Flaminio Squazzoni  
**Management Committee**

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PROJECT TITLE: European Network for Social Intelligence (SINTELNET)  
FINANCIAL ENTITY: European Union  
PROJECT REF: FP7-ICT2009-C 286370  
AMOUNT:103.559,00€(IIIA-CSIC)  
LENGTH FROM: 01/06/2011 TO: 31/05/2014  
COORDINATOR: David Pearce

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PROJECT TITLE: Agreement Technologies COST Action  
FINANCIAL ENTITY: European Union  
PROJECT REF: COST - IC0801  
AMOUNT:443.281,00€  
LENGTH FROM: 17/10/2008 TO: 17/10/2012  
COORDINATOR: Sascha Ossowski  
**Leader of WG5 on Trust**

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PROJECT TITLE: LiquidPub (LiquidPublication: Innovating the Scientific Knowledge Object Lifecycle)  
FINANCIAL ENTITY: European Union  
PROJECT REF: FP7-ICT-2007-C 213360  
AMOUNT:378.164,00€(IIIA-CSIC)  
LENGTH FROM: 01/04/2008 TO: 31/03/2011  
COORDINATOR: Fabio Casati

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PROJECT TITLE: eRep (Social knowledge for e-Governance)  
FINANCIAL ENTITY: European Union  
PROJECT REF: CIT5-028575-STP  
AMOUNT:263.889,00€(IIIA-CSIC)  
LENGTH FROM: 01-04-2006 TO: 31-03-2009  
COORDINATOR: Mario Paolucci  
**Main researcher at the IIIA**

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PROJECT TITLE: OpenKnowledge  
FINANCIAL ENTITY: European Union  
PROJECT REF: IST-4-027253-STP  
AMOUNT:590.787,00€(IIIA-CSIC)  
LENGTH FROM: 01-01-2006 TO: 31-12-2008  
COORDINATOR: Dave Robertson

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PROJECT TITLE: SocialRep  
FINANCIAL ENTITY: European Union  
PROJECT REF: MERG-CT-2005/029161  
AMOUNT:40.000,00€(IIIA-CSIC)  
LENGTH FROM: 01-03-2006 TO: 29-02-2008  
COORDINATOR: Carles Sierra  
**Main researcher at the IIIA**

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PROJECT TITLE: SLIE (Sustainable Lifecycles in Information Ecosystems)  
FINANCIAL ENTITY: European Union  
PROJECT REF: IST-1999-10948  
AMOUNT:325.684,00€(IIIA-CSIC)  
LENGTH FROM: 01-05-2000 TO: 01-05-2003  
COORDINATOR: Dave Robertson

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### National Projects

#### \*\*\*\*\* Ongoing projects

PROJECT TITLE: AS4OTA: Tecnicas de IA para agencias de turismo online  
FINANCIAL ENTITY: IPLUSD INNOVA S.A.  
PROJECT REF:  
AMOUNT:  
LENGTH FROM: 01-09-2017 TO: 30-06-2019  
COORDINATOR: Pere Garcia

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PROJECT TITLE: CIMBVAL: Imbuing values in the coordination of hybrid social networks  
FINANCIAL ENTITY: Ministerio de Economia y Competitividad  
PROJECT REF: TIN2017-89758-R  
AMOUNT:  
LENGTH FROM: 01/01/2018 TO: 31/12/2020  
COORDINATOR: Nardine Osman

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#### \*\*\*\*\* Past projects

PROJECT TITLE: SCAR: Arquitectura de agente cognitiva para la simulacion social avanzada  
FINANCIAL ENTITY: Ministerio de Economia y Competitividad  
PROJECT REF: TIN2015-70819-ERC  
AMOUNT:60.000€(IIIA-CSIC)  
LENGTH FROM: 01/11/2015 TO: 30/04/2017  
COORDINATOR: Jordi Sabater Mir  
**Coordinator of the project**

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PROJECT TITLE: MILESS - A Framework for Mixed-Level Social Simulation with Socio-cognitive Agent  
FINANCIAL ENTITY: Ministerio de Economia y Competitividad  
PROJECT REF: TIN2013-45039-P  
AMOUNT:61.655,55€(IIIA-CSIC)  
LENGTH FROM: 01/01/2014 TO: 31/12/2016  
COORDINATOR: Jordi Sabater Mir  
**Coordinator of the project**

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PROJECT TITLE: SmartExFood  
FINANCIAL ENTITY: Ministerio de Economía y Competitividad  
PROJECT REF: IPT-2012-0688-060000 (INNPACTO)  
AMOUNT:91.074,00€(IIIA-CSIC)  
LENGTH FROM: 01/10/2012 TO: 31/03/2015  
COORDINATOR: Alimerka  
**Main Researcher at the IIIA**

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PROJECT TITLE: CBIT  
FINANCIAL ENTITY: MICINN  
PROJECT REF: TIN2010-16306  
AMOUNT:50.400,00€(IIIA-CSIC)  
LENGTH FROM: 01/01/2011 TO: 31/12/2013  
COORDINATOR: Marco Shorlemmer

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PROJECT TITLE: Agreement Technologiess  
FINANCIAL ENTITY: MCYT  
PROJECT REF: CSD2007-00022 (Consolider-2007)  
AMOUNT:2.482.323,20€(IIIA-CSIC)  
LENGTH FROM: 01-09-2007 TO: 01-10-2013  
COORDINATOR: Carles Sierra Garcia

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PROJECT TITLE: ASKS  
FINANCIAL ENTITY: Generalitat de Catalunya ACC1 RD10-1-0052  
PROJECT REF: 010108110005  
AMOUNT:39.821,92€(IIIA-CSIC)  
LENGTH FROM: 01-11-2010 TO: 03-03-2013  
COORDINATOR: Strategic Attention Management

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PROJECT TITLE: EVE (Engineering Self-\* Virtually-Embedded Systems)  
FINANCIAL ENTITY: MICINN  
PROJECT REF: TIN2009-14702-C02-01  
AMOUNT:120.100,00€(IIIA-CSIC)  
LENGTH FROM: 01/01/2010 TO: 31/12/2012  
COORDINATOR: Jess Cerquides

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PROJECT TITLE: Llibre Intel.ligent  
FINANCIAL ENTITY: Baherumi Digital S.L.  
PROJECT REF: 010108100001  
AMOUNT:180.236,00€(IIIA-CSIC)  
LENGTH FROM: 06-06-2009 TO: 06-06-2012  
COORDINATOR: Baherumi Digital  
**Main Researcher at the IIIA**

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PROJECT TITLE: MACNORMS (Mecanismos de Autoorganizacion y de Control social generadores de normas sociales)  
FINANCIAL ENTITY: CSIC  
PROJECT REF: PIF08-007-1 (Intramurales de frontera - 2008)  
AMOUNT:58.381,00€(IIIA-CSIC)  
LENGTH FROM: 01-09-2008 TO: 28-02-2011  
COORDINATOR: Jordi Sabater-Mir  
**Coordinator of the project**

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PROJECT TITLE: BROKAPITAL (Redes sociales del conocimiento para los procesos de inversión de capital riesgo en proyectos de base tecnológica)  
FINANCIAL ENTITY: MCYT  
PROJECT REF: TSI-020502-2008-14  
AMOUNT:183.054€(IIIA-CSIC)  
LENGTH FROM: 24-11-2008 TO: 31-12-2010  
COORDINATOR: Josep Puyol-Gruart

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PROJECT TITLE: Integracion de un modelo cognitivo de reputacion en un agente BDI  
FINANCIAL ENTITY: CSIC  
PROJECT REF: Intramurales - 2008  
AMOUNT:30.000,00€(IIIA-CSIC)  
LENGTH FROM: 01-10-2008 TO: 31-12-2009  
COORDINATOR: Jordi Sabater-Mir  
**Coordinator of the project**

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PROJECT TITLE: Autonomic electronic Institutions  
FINANCIAL ENTITY: MCYT  
PROJECT REF: TIN-2006-15662-C02-01  
AMOUNT:266.200,00€(IIIA-CSIC)  
LENGTH FROM: 01-10-2006 TO: 30-09-2009  
COORDINATOR: Juan Antonio Rodríguez

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PROJECT TITLE: E-Institutor  
FINANCIAL ENTITY: CICYT  
PROJECT REF: TIC-2000-1414  
AMOUNT:146.406,55€(IIIA-CSIC)  
LENGTH FROM: 28-12-2000 TO: 27-12-2003  
COORDINATOR: Carles Sierra Garcia

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PROJECT TITLE: SMASH (Multi-Agents Systems and its application to Hospital Services)  
FINANCIAL ENTITY: CICYT  
PROJECT REF: TIC-96-1038-C04  
AMOUNT:24.000.000ptes (IIIA-CSIC)  
LENGTH FROM: 12-06-1996 TO: 11-06-2001  
COORDINATOR: Lluís Godó Lacasa

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## PUBLICATIONS

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**Summary:** I am co-author of 116 publications: 27 journal articles (23 in indexed journals, from those 14 in Q1-Q2 and 9 in Q3-Q4), 2 books, 4 book chapters, 15 full papers plus 9 short papers in international conferences with an acceptance ratio less than 25% and 59 papers in other conferences and workshops. Notice that in my area (Artificial Intelligence), conference proceedings of top conferences have a relevance similar to indexed journal articles. According to Google Scholar (<http://scholar.google.com/citations?user=iR-SIW8AAAAJ>), those publications have received a total of 5572 citations (1910 since 2014), with 58 publications with at least 10 citations and an h-index of 26.

### Indexed Journals SCI

- [1] F. Grimaldo, M. Paolucci, and J. Sabater-Mir. Reputation or peer review? the role of outliers. *Scientometrics*, 116(3):1421–1438, 2018. Impact-factor: 2.173 - Q2 (JCR 2017).
- [2] Giulia Andrighetto, Jordi Brandts, Rosaria Conte, Jordi Sabater-Mir, Hector Solaz, Aron Szekely, and Daniel Villatoro. Counter-punishment, communication, and cooperation among partners. *Frontiers in Behavioral Neuroscience*, 10(53), 2016. Impact-factor: 3.104 - Q2.
- [3] D. Villatoro, G. Andrighetto, R. Conte, and J. Sabater-Mir. Self-policing through norm internalization: A cognitive solution to the tragedy of the digital commons in social networks. *JASSS - Journal of Artificial Societies and Social Simulation*, 2(18), 2015. Impact-factor: 1.101 - Q2 (JCR Social Sciences Edition).
- [4] D. Villatoro, G. Andrighetto, J. Brandts, L.G. Nardin, J. Sabater-Mir, and R. Conte. The norm-signaling effects of group punishment combining agent-based simulation and laboratory experiments. *Social Science Computer Review*, 3(32):334–353, 2014. Impact-factor: 1.364 - Q1 (SSCI).
- [5] G. Andrighetto, J. Brandts, R. Conte, J. Sabater-Mir, H. Solaz, and D. Villatoro. Punish and voice: Punishment enhances cooperation when combined with norm-signalling. *Plos one*, 8(6):e64941, 2013. Impact-factor: 3.534 - Q1 doi:10.1371/journal.pone.0064941.
- [6] Estefania Argente, Olivier Boissier, Carlos Carrascosa, Nicoletta Fornara, Peter McBurney, Pablo Noriega, Alessandro Ricci, Jordi Sabater-Mir, Michael Schumacher, Charalampos Tampitsikas, Kuldar Taveter, Giuseppe Vizzari, and George Vouros. The role of the environment in agreement technologies. *Artificial Intelligence Review*, 39(1):21–38, 2013. Impact factor: 0.895 - Q3 DOI 10.1007/s10462-012-9388-1.
- [7] D. Jelenc, R. Hermoso, J. Sabater-Mir, and D Trcek. Decision making matters: A better way to evaluate trust models. *Knowledge-Based Systems*, 52:147–164, 2013. Impact factor: 3.058 - Q1.
- [8] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. Opening the black box of trust: Reasoning about trust models in a bdi agent. *Journal of Logic and Computation (JLC)*, 23(1):25–58, 2013. Impact-factor: 0.504 - Q2.
- [9] I. Pinyol and J. Sabater-Mir. Arguing about social evaluations: From theory to experimentation. *International Journal of Approximate Reasoning*, 54(5):667–689, 2013. Impact-factor: 1.977 - Q1.
- [10] Isaac Pinyol and Jordi Sabater-Mir. Computational trust and reputation models for open multi-agent systems: a review. *Artificial Intelligence Review*, 40(1):1–25, 2013. Impact factor: 0.895 - Q3 DOI: 10.1007/s10462-011-9277-z.
- [11] D. Villatoro, J. Sabater-Mir, and S. Sen. Robust convention emergence in social networks through self-reinforcing structures dissolution. *ACM Transactions on Autonomous and Adaptive Systems (TAAS)*, 8(1):2:1–2:21, 2013. Impact-factor: 0.785 - Q2.
- [12] Ismel Brito, Nardine Osman, Jordi Sabater-Mir, and Carles Sierra. Charms: A charter management system. automating the integration of electronic institutions and humans. *Applied Artificial Inteligence (Applied AI)*, 26(4), 2012. Impact-factor: 0.475 - Q4.
- [13] Andrew Koster, Marco Schorlemmer, and Jordi Sabater-Mir. Engineering trust alignment: Theory, method and experimentation. *International Journal of Human-Computer Studies (IJHCS)*, 70(6):450–473, 2012. Impact-factor: 1.415 - Q2 DOI: 10.1016/j.ijhcs.2012.02.007.
- [14] Isaac Pinyol, Pilar Dellunde, Jordi Sabater-Mir, and Mario Paolucci. Reputation-based decisions for logic-based cognitive agents. *Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS)*, 24(1):175–216, 2012. Impact factor: 0.790 - Q3.



- [15] Daniel Villatoro, Sandip Sen, and Jordi Sabater-Mir. Exploring the dimensions of convention emergence in multiagent systems. *Advances in Complex Systems (ACS)*, 14(2):201–227, 2011. Impact-factor: 0.653 - Q2.
- [16] Rosaria Conte, Mario Paolucci, and Jordi Sabater-Mir. Reputation for innovating social networks. *Advances in Complex Systems*, 11(2):303–320, 2008. Impact-factor: 0.197 - Q4.
- [17] Jordi Sabater-Mir and Mario Paolucci. On representation and aggregation of social evaluations in computational trust and reputation models. *International Journal of Approximate Reasoning*, 46(3):458–483, 2007. Impact-factor: 1.220 - Q2.
- [18] Jordi Sabater-Mir, Mario Paolucci, and Rosaria Conte. Repage: REPutation and imAGE among limited autonomous partners. *JASSS - Journal of Artificial Societies and Social Simulation*, 9(2), 2006. Impact-factor: 0.453 - Q3 (JCR Social Sciences Edition).
- [19] Jordi Sabater and Carles Sierra. Review on computational trust and reputation models. *Artificial Intelligence Review*, 24(1):33–60, 2005. Impact factor: 0.868 - Q3.
- [20] Jordi Sabater. Evaluating the regret system. *Applied Artificial Intelligence*, 18(9-10):797–813, 2004. Impact factor: 0.556 - Q3.
- [21] Wamberto Vasconcelos, Dave Robertson, Carles Sierra, Marc Esteva, Jordi Sabater, and Mike Wooldridge. Rapid prototyping of large multi-agent systems through logic programming. *Annals of Mathematics and Artificial Intelligence*, 41(2-4):135–169, 2004. Impact-factor: 0.851 - Q1.
- [22] Lluís Godo, Josep Puyol-Gruart, Jordi Sabater, Vicen Torra, Pilar Barrufet, and Xavier Fàbregas. A multi-agent system approach for monitoring the prescription of restricted use antibiotics. *Artificial Intelligence in Medicine*, 27(3):259–282, 2003. Impact-factor: 1.222 - Q2.
- [23] Jordi Sabater, Carles Sierra, Simon Parsons, and Nicholas R. Jennings. Engineering executable agents using multi-context systems. *Journal of Logic and Computation*, 12(3):413–442, 2002. Impact-factor: 0.271 - Q4.

## Lecture Notes in Computer Science

- [1] Pilar Dellunde, Marco Matilla, and Jordi Sabater-Mir. Persuadee modelling in computational argumentation in marketing. In Cecilio Angulo Alberto Ortiz Joan Torrens Isabel Aguil, Ren Alquzar, editor, *Recent Advances in Artificial Intelligence Research and Development*, volume 300 of *Frontiers in Artificial Intelligence and Applications*, pages 215–220. IOS Press, 2017. Proceedings CCIA 2017.
- [2] Pablo Noriega, Jordi Sabater-Mir, Harko Verhagen, Julian Padget, and Mark d’Inverno. Identifying affordances for modelling second-order emergent phenomena with the wit framework. In G. Sukthankar and J. A. Rodriguez-Aguilar, editors, *AAMAS 2017 Visionary Papers*, volume 10643 of *Lecture Notes in Artificial Intelligence*, pages 208–227. Springer, 2017.
- [3] Jordi Sabater-Mir, Carlos Palma-Zurita, and Joan Cuadros-Oller. Basic desires to decide your active goals. motivational theories in cognitive agents. In Angela Nebot, Xavier Binefa, and Ramon Lopez de Mantaras, editors, *Artificial Intelligence Research and Development*, volume 288 of *Frontiers in Artificial Intelligence and Applications*, pages 245–250. IOS Press, 2016. Proceedings CCIA 2016.
- [4] Nardine Osman, Jordi Sabater-Mir, and Carles Sierra. Simulating research behaviour. In Daniel Villatoro, Jordi Sabater-Mir, and Jaime Simao Sichman, editors, *Multi-Agent-Based Simulation XII*, volume 7124 of *Lecture Notes in Computer Science*, pages 15–30. Springer, 2012. International Workshop, MABS 2011, Taipei, Taiwan, May 2-6, 2011, Revised Selected Papers.
- [5] Nardine Osman, Carles Sierra, Jordi Sabater-Mir, Joseph R. Wakeling, Judith Simon, Gloria Origgi, and Roberto Casati. Liquidpublications and its technical and legal challenges. In Danièle Bourcier, Pompeu Casanovas, Mélanie Dulong de Rosnay, and Catharina Maracke, editors, *Intelligent Multimedia: Managing Creative Works in a Digital World*, pages 321–336. European Publishing Academic Press, Florence, 2010.
- [6] Isaac Pinyol, Roberto Centeno, Ramon Hermoso, Viviane Torres da Silva, and Jordi Sabater-Mir. Norms evaluation through reputation mechanisms for bdi agents. In Rene Alquezar, Antonio Moreno, and Josep Aguilar, editors, *Artificial Intelligence Research and Development*, volume 220 of *Frontiers in Artificial Intelligence and Applications*, pages 9–18. IOS Press, 2010. Proceedings CCIA 2010.
- [7] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. A formalization of trust alignment. In Sandra Sandri, Miquel Sanchez-Marr, and Ulises Cortes, editors, *Artificial Intelligence Research and Development*, volume 202 of *Frontiers in Artificial Intelligence and Applications*, pages 169–178. IOS Press, 2009. Proceedings of the 12th Catalan Conference on Artificial Intelligence.

- [8] Daniel Villatoro and Jordi Sabater-Mir. Categorizing social norms in a simulated resource gathering society. In Jomi Fred Hubner, Olivier Matson, Eric; Boissier, and Virginia Dignum, editors, *Coordination, Organizations, Institutions and Norms in Agent Systems IV*, volume 5428 of *Lecture Notes in Artificial Intelligence*, pages 235–249. Springer, 2009. Workshop on Coordination, Organization, Institutions and Norms in Agent Systems (COIN-08).
- [9] Isaac Pinyol, Mario Paolucci, Jordi Sabater-Mir, and Rosaria Conte. Beyond accuracy. reputation for partner selection with lies and retaliation. In Luis Antunes, Mario Paolucci, and E. Norling, editors, *Multi-Agent-Based Simulation VIII*, volume 5003 of *Lecture Notes in Computer Science*, pages 128–140. Springer, 2008. Eighth International Workshop on Multi-Agent-Based Simulation.
- [10] Isaac Pinyol and Jordi Sabater-Mir. Arguing about reputation. the lrep language. In Alexander Artikis, Gregory M. P. O’Hare, Kostas Stathis, and George A. Vouros, editors, *Engineering Societies in the Agents World VIII*, volume 4995 of *Lecture Notes in Computer Science*, pages 284–299. Springer, 2008. 8th Annual International Workshop ”Engineering Societies in the Agents World” (ESAW-07).
- [11] Isaac Pinyol, Jordi Sabater-Mir, and Pilar Dellunde. A probabilistic dynamic belief logic for image and reputation. In Teresa Alsinet, Josep Puyol-Gruart, and Carme Torras, editors, *Artificial Intelligence Research and Development*, volume 184 of *Frontiers in Artificial Intelligence and Applications*, pages 197–206. IOS Press, 2008. Proceedings CCIA 2008.
- [12] Karen K. Fullam, Tomas B. Klos, Guillaume Muller, Jordi Sabater-Mir, K. Suzanne Barber, and Laurent Vercoeur. The Agent Reputation and Trust (ART) testbed. In Ketil Stølen, William H. Winsborough, Fabio Martinelli, and Fabio Massacci, editors, *Trust Management*, volume 3986 of *Lecture Notes in Computer Science*, pages 439–442. Springer, 2006. Proceedings iTrust 2006.
- [13] Jordi Sabater-Mir. Towards the next generation of computational trust and reputation models. In Vicenç Torra, Yasuo Narukawa, Aïda Valls, and Josep Domingo-Ferrer, editors, *Modeling Decisions for Artificial Intelligence*, volume 3885 of *Lecture Notes in Computer Science*, pages 19–21. Springer, 2006. Proceedings MDAI 2006.
- [14] Karen K. Fullam, Tomas B. Klos, Guillaume Muller, Jordi Sabater, Zvi Topol, K. Suzanne Barber, Jeffrey S. Rosenschein, and Laurent Vercoeur. The Agent Reputation and Trust (ART) testbed architecture. In B. López, J. Meléndez, P. Radeva, and J. Vitrià, editors, *Artificial Intelligence Research and Development*, volume 131 of *Frontiers in Artificial Intelligence and Applications*, pages 389–396. IOS Press, 2005. Proceedings CCIA 2005.
- [15] Karen K. Fullam, Jordi Sabater-Mir, and K. Suzanne Barber. A design foundation for a trust-modeling experimental testbed. In Rino Facone, K. Suzanne Barber, Jordi Sabater-Mir, and Munindar P. Singh, editors, *Trusting Agents for Trusting Electronic Societies*, volume 3577 of *Lecture Notes in Computer Science*, pages 95–109. Springer, 2005. Proceedings Workshop on Trust in Agent Societies 2003 and 2004 (selected papers).
- [16] Wamberto Vasconcelos, David Robertson, Jaume Agusti, Carles Sierra, Michael Wooldridge, Simon Parsons, Christopher Walton, and Jordi Sabater. A lifecycle for models of large multi-agent systems. In *Agent-Oriented Software Engineering II*, volume 2222 of *Lecture Notes in Computer Science*, pages 297–316. Springer, 2002. Second International Workshop, AOSE 2001 Montreal, Canada, May 29, 2001 Revised Papers and Invited Contributions.
- [17] Jordi Sabater, Carles Sierra, Simon Parsons, and Nicholas R. Jennings. Using multi-context systems to engineer executable agents. In *Intelligent Agents VI. Agent Theories Architectures, and Languages*, volume 1757 of *Lecture Notes in Computer Science*, pages 260–276. Springer, 2000. 6th International Workshop, ATAL99, Orlando, Florida, USA, July 15-17, 1999, Proceedings.

## Other Journals

- [1] Daniel Villatoro, Sandip Sen, and Jordi Sabater-Mir. Of social norms and sanctioning: A game theoretical overview. *International Journal of Agent Technologies and Systems (IJATS)*, 2(1):1–15, 2010.
- [2] David de la Cruz, Jordi Estevez, Pablo Noriega, Manuela Perez, Raquel Pique, Jordi Sabater, Assumpcio Vila, and Daniel Villatoro. Normas en sociedades cazadoras-pescadoras-recolectoras. argumentos para el uso de la simulacin social basada en agentes. *Cuadernos de prehistoria y arqueologia de la Universidad de Granada*, (20):149–161, 2010.
- [3] Mario Gomez, Jordi Sabater-Mir, Javier Carbo, and Guillaume Muller. Analysis of the agent reputation and trust testbed. *Revista Iberoamericana de Inteligencia Artificial*, 12(39):7–18, 2008.

- [4] Jordi Sabater and Carles Sierra. Social regret, a reputation model based on social relations. *ACM, SIGecom Exchanges*, 3.1:44–56, 2002.

## Books

- [1] M. Paolucci, T. Eymann, W. Jager, J. Sabater-Mir, R. Conte, S. Marmo, S. Picascia, W. Quattrociochi, S. Konig, T. Balke, T. Broekhuizen, De. Trampe, M. Tuk, I. Brito, I. Pinyol, and D. Villatoro. *Social Knowledge for e-Governance: Theory and Technology of Reputation*. ISTC-CNR, 2009.
- [2] Jordi Sabater. *Trust and Reputation for Agent Societies*. Number 20 in *Monografies de l'institut d'investigació en intel·ligència artificial*. IIIA-CSIC, 2003.

## Book chapters

- [1] A. Koster, J. Sabater-Mir, and M. Schorlemmer. *Agreement Technologies*, volume 8 of *Law, Governance and Technology*, book-chapter 25 - Argumentation and Trust, pages 441–452. Springer, 2013.
- [2] J. Sabater-Mir and L. Vercoouter. *Trust and Reputation in Multiagent Systems*, book-chapter 9, pages 381–420. *Intelligent Robotics and Autonomous Agents*. MIT Press, 2013.
- [3] Sergi Robles, Aurora Vizcaino, Jordi Sabater-Mir, Javier Carbo, Esteva Acebo, and Ramon Hermoso. *Issues in Multi-Agent Systems. The AgentCities.ES Experience.*, book-chapter Trust and security, pages 87–115. *Whitestein Series in Software Agent Technologies and Autonomic Computing*. Springer (Birkhauser), 2008.
- [4] Carles Sierra, Jordi Sabater, Jaume Agusti, and Pere Garcia. *Methodologies and Software Engineering for Agent Systems. The Agent-Oriented Software Engineering Handbook*, volume 11 of *Multiagent Systems, Artificial Societies, and Simulated Organizations*, book-chapter SADDE: Social agents design driven by equations, pages 195–214. Kluwer Academic Publishers, 2004.

## Editor

Co-editor of the “Agreement Technologies” book. “Law, Governance and Technology” series, Volume 8. Springer. (2013)

Special Issue of the journal ”NOVATICA” on multiagent systems, no. 218. Jordi Sabater-Mir, Vicente Julian Inglada. Ghest Editors. (2012)

Multi-Agent-Based Simulation XII, LNAI 7124, Daniel Villatoro, Jordi Sabater-Mir, Jaime Simao Sichman. (2012)

Trust in Agent Societies, LNAI 5396, Rino Falcone, Suzanne Barber, Jordi Sabater-Mir, Munindar P.Singh Editors. (2008)

Special Issue of the journal ”Inteligencia Artificial - Revista Iberoamericana de Inteligencia Artificial”, Vol 12, No 39. Jordi Sabater-Mir, Javier Carbo. Ghest Editors. (2008)

Special Section on Reputation in Agent Societies. JASSS Vol.9, no. 1. Mario Paolucci, Jordi Sabater. Editors. (2006)

Trusting Agents for Trusting Electronic Societies, LNAI 3577, Rino Falcone, Suzanne Barber, Jordi Sabater-Mir, Munindar P.Singh Editors. (2005)

## International conferences with a strict selection process (long papers)<sup>1</sup>

- [1] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. Personalizing communication about trust. In Proceedings of 11th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2012), pages 517–524, June 2012.
- [2] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. Trust alignment: a sine qua non of open multi-agent systems. In 19th International Conference on COOPERATIVE INFORMATION SYSTEMS (CoopIS 2011) (On the Move to Meaningful Internet Systems: OTM 2011), volume 7044 of Lecture Notes in Computer Science, pages 182–199. Springer, 2011.
- [3] Daniel Villatoro, Giulia Andrighetto, Rosaria Conte, and Jordi Sabater-Mir. Dynamic sanctioning for robust and cost-efficient norm compliance. In Proceedings of the Twenty-Second International Joint Conference on Artificial Intelligence (IJCAI 2011), volume 1, pages 414–419. AAAI Press, July 2011.
- [4] Daniel Villatoro, Jordi Sabater-Mir, and Sandip Sen. Social instruments for robust convention emergence. In Proceedings of the Twenty-Second International Joint Conference on Artificial Intelligence (IJCAI 2011), volume 1, pages 420–425. AAAI Press, July 2011.
- [5] Nardine Osman, Carles Sierra, and Jordi Sabater-Mir. Propagation of opinions in structural graphs. In Proceedings of The 19th European Conference on Artificial Intelligence (ECAI 2010), August 2010.
- [6] Isaac Pinyol and Jordi Sabater-Mir. Pragmatic-strategic reputation-based decisions in bdi agents. In Proceedings of 8th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2009), pages 1001–1008, 2009.
- [7] Daniel Villatoro and Jordi Sabater-Mir. Dynamics in the normative group recognition process. In Proceedings of IEEE Congress on Evolutionary Computation (IEEE CEC 2009), pages 757–764, 2009.
- [8] Daniel Villatoro, Sandip Sen, and Jordi Sabater-Mir. Topology and memory effect on convention emergence. In Proceedings of the International Conference of Intelligent Agent Technology (IAT), volume 2, pages 233–240. IEEE Press, 2009.
- [9] Daniel Villatoro and Jordi Sabater-Mir. Norm selection through simulation in a resource-gathering society. In 21st European Simulation and Modelling Conference (ESM-07), pages 467–474, October 2007.
- [10] Ron Ashri, Sarvapali D. Ramchurn, Jordi Sabater, Michael Luck, and Nicholas R. Jennings. Trust evaluation through relationship analysis. In 4th International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS-2005), pages 1005–1012, July 2005.
- [11] Karen K. Fullam, Tomas B. Klos, Guillaume Muller, Jordi Sabater, Andreas Schlosser, Zvi Topol, K. Suzanne Barber, Jeffrey S. Rosenschein, Laurent Vercouter, and Marco Voss. A specification of the agent reputation and trust (art) testbed: Experimentation and competition for trust in agent societies. In 4th International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS-2005), pages 512–518, July 2005.
- [12] Mario Paolucci, Jordi Sabater-Mir, and Rosaria Conte. ‘what if?’ dealing with uncertainty in repage’s mental landscape. In The 2005 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT-2005), pages 372–378, September 2005.
- [13] Jordi Sabater and Carles Sierra. Reputation and social network analysis in multi-agent systems. In First International Conference on Autonomous Agents and Multiagent systems (AAMAS-02), pages 475–482, July 2002.
- [14] Carles Sierra, Jordi Sabater, Jaume Agusti, and Pere Garcia. Evolutionary computation in mas design. In 15th European Conference on Artificial Intelligence (ECAI-02), pages 188–192, July 2002.
- [15] Wamberto Vasconcelos, Jordi Sabater, Carles Sierra, and Joaquim Querol. Skeleton-based agent development for electronic institutions. In First International Conference on Autonomous Agents and Multiagent systems (AAMAS-02), pages 696–703, July 2002.

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<sup>1</sup>All these conferences have a classification A or B in the ranking made by The Computing Research and Education Association of Australasia, CORE

## International conferences with a strict selection process (posters)

- [1] D. Villatoro, G. Andrighetto, J. Brandts, J. Sabater-Mir, and R. Conte. Distributed punishment as a norm-signalling tool. In *Proceedings of 11th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2012)*, pages 1189–1190, 2012.
- [2] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. Talking about trust in heterogeneous multi-agent systems. In *Proceedings of the Twenty-Second International Joint Conference on Artificial Intelligence (IJCAI 2011)*, volume 3, pages 2820–2821. AAAI Press, July 2011.
- [3] Daniel Villatoro, Jordi Sabater-Mir, and Sandip Sen. Social instrument for convention emergence. In *Proceedings of 10th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2011)*, page B10, 2011.
- [4] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. Inductively generated trust alignments based on shared interactions. In *Proceedings of 9th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010)*, 2010.
- [5] Isaac Pinyol and Jordi Sabater-Mir. An argumentation-based dialog for social evaluations exchange. In *Proceedings of The 19th European Conference on Artificial Intelligence (ECAI 2010)*, 2010.
- [6] Daniel Villatoro and Jordi Sabater-Mir. Group recognition through social norms. In *Proceedings of 8th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2009)*, 2009.
- [7] Carles Sierra, Jordi Sabater, Jaume Agusti, and Pere Garcia. Integrating evolutionary computing and the sadde methodology. In *2nd International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS-2003)*, pages 1116–1117, July 2003.
- [8] Carles Sierra, Jordi Sabater, Jaume Agusti, and Pere Garcia. Evolutionary programming in sadde. In *First International Conference on Autonomous Agents and Multiagent systems (AAMAS-02)*, pages 1270–1271, July 2002.
- [9] Jordi Sabater and Carles Sierra. Regret: Reputation in gregarious societies. In *Fifth International Conference on Autonomous Agents*, pages 194–195, May 2001.

## Other conferences and workshops

- [1] E. Argente, O. Boissier, C. Carrascosa, N. Fornara, P. McBurney, P. Noriega, A. Ricci, J. Sabater-Mir, M.I. Schumacher, C. Tampitsikas, K. Taveter, G. Vizzari, and G. Vouros. Environment and agreement technologies. In *Proceedings of the First International Conference on Agreement Technologies*, pages 260–261, October 2012.
- [2] A. Koster, J. Madrenas-Ciurana, N. Osman, M. Schorlemmer, J. Sabater-Mir, C. Sierra, D. de Jonge, A. Fabregues, J. Puyol-Gruart, and P. Garcia-Calves. u-help: Supporting helpful communities with information technology. In *Proceedings of the First International Conference on Agreement Technologies*, pages 378–392, October 2012.
- [3] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. A formal argumentation dialogue for personalised trust communication. In *Proceedings of 11th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2012)*., pages 5637–5648, June 2012. 15th International Workshop on Trust in Agent Societies.
- [4] D. Villatoro, G. Andrighetto, J. Brandts, J. Sabater-Mir, and R. Conte. Learning with more than rewards: The implicit signalling of distributed punishment. In *Proceedings of 11th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2012)*., pages 2579–2586, June 2012. Adaptive and Learning Agents Workshop 2012.
- [5] Giulia Andrighetto, Daniel Villatoro, Rosaria Conte, and Jordi Sabater-Mir. Simulating the relative effects of punishment and sanction in the achievement of cooperation. In *Eighth European Workshop on Multi-Agent Systems (EUMAS'10)*, December 2010.
- [6] Ismel Brito, Nardine Osman, Jordi Sabater-Mir, and Carles Sierra. Charms: A charter management system. automating the integration of electronic institutions and humans (short version). In *Eighth European Workshop on Multi-Agent Systems (EUMAS'10)*, December 2010.
- [7] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. Engineering trust alignment: a first approach. In *The 13th Workshop on Trust in Agent Societies (TRUST@AAMAS'09)*, 2010.

- [8] Yann Krupa, Laurent Vercouter, and Jordi Sabater-Mir. Handling privacy as contextual integrity in virtual communities. In *Proceedings of the 2nd International Workshop on Web Intelligence and Virtual Enterprises (WIVE 2010)*, 2010.
- [9] Isaac Pinyol and Jordi Sabater-Mir. Metareasoning and social evaluations in cognitive agents. In *Proceedings of The First International Workshop on Agent-Based Social Simulation and Autonomic Systems (ABSS@AS'09)*, Limassol, CYPRUS, volume 23 of LNICST, pages 220–235. Springer, 2010.
- [10] Assumpció Vila, Jordi Estevez, Daniel Villatoro, and Jordi Sabater-Mir. Archaeological materiality of social inequality among hunter-gatherer societies. In Karen Hardy, editor, *Archaeological Invisibility and Forgotten Knowledge*, volume 2183 of *BAR Internatinal Series*, pages 202–210. Archaeopress, Oxford, 2010.
- [11] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. An interaction-oriented model of trust alignment. In *Proceedings of the 13th Spanish Conference on Artificial Intelligence*, pages 655–664, 2009.
- [12] Andrew Koster, Jordi Sabater-Mir, and Marco Schorlemmer. Towards an inductive algorithm for learning trust alignment. In *Student Session - European Agent Systems Summer School*, volume 47, pages 5–11. Universitat Bayreuth, 2009.
- [13] Isaac Pinyol and Jordi Sabater-Mir. Towards the definition of an argumentation framework using reputation information. In *The 12th Workshop on Trust in Agent Societies (TRUST@AAMAS'09)*, 2009.
- [14] Isaac Pinyol and Jordi Sabater-Mir. Integrating image and reputation information in bdi agents. In *First International Conference on Reputation (ICORE'09)*, 2009.
- [15] Daniel Villatoro, Jordi Sabater-Mir, and Sandip Sen. Interaction, observance or both? effects on convention emergence. In *Proceedings of the Twelve International Congress of the Catalan Artificial Intelligence Association (CCIA09)*, 2009.
- [16] Isaac Pinyol and Jordi Sabater-Mir. Integrating image and reputation information in bdi agents (short version). In *Sixth European Workshop on Multi-Agent Systems (EUMAS-08)*, December 2008.
- [17] Isaac Pinyol and Jordi Sabater-Mir. Cognitive social evaluations for multi-context bdi agents. In *9th Annual International Workshop Engineering Societies in the Agents World*, 2008.
- [18] Daniel Villatoro and Jordi Sabater-Mir. Towards the group formation through social norms. In *Sixth European Workshop on Multi-Agent Systems (EUMAS'08)*, December 2008.
- [19] Daniel Villatoro and Jordi Sabater-Mir. Mechanisms for social norms support in virtual societies. In *The Fifth Conference of the European Social Simulation Association (ESSA'08)*, September 2008.
- [20] Daniel Villatoro and Jordi Sabater-Mir. Towards social norm. In *Proceedings of the Eleventh International Congress of the Catalan Artificial Intelligence Association (CCIA'08)*, 2008.
- [21] Rosaria Conte, Mario Paolucci, and Jordi Sabater-Mir. Reputation for innovating social networks. In *The Fourth European Social Simulation Association Conference (ESSA-07)*, September 2007. Also published in: *SID 2007 - The 6th International Workshop on Social Intelligence Design*. Trento, Italy.
- [22] Mario Gomez, Jordi Sabater-Mir, Javier Carbo, and Guillaume Muller. Improving the art-testbed, thoughts and reflections. In *Workshop on Competitive agents in "Agent Reputation and Trust Testbed"*, pages 1–15, November 2007.
- [23] Isaac Pinyol, Jordi Sabater-Mir, and Guifre Cuni. How to talk about reputation using a common ontology: From definition to implementation. In *Ninth Workshop on Trust in Agent Societies*, pages 90–102, May 2007.
- [24] Jordi Sabater-Mir, Isaac Pinyol, Daniel Villatoro, and Guifré Cuní. Towards hybrid experiments on reputation mechanisms: Bdi agents and humans in electronic institutions. In *XII Conference of the Spanish Association for Artificial Intelligence (CAEPIA-07)*, volume 2, pages 299–308, November 2007.
- [25] Antonietta Salvatore, Isaac Pinyol, Mario Paolucci, and Jordi Sabater-Mir. Grounding reputation experiments. a replication of a simple market with image exchange. In *Third International Model-to-Model Workshop*, pages 32–45, April 2007.
- [26] Olivier Boissier, Cosmin Carabelea, Cristiano Castelfranchi, Jordi Sabater, and Luca Tummolini. The dialectics between an individual and his role. In *Roles: An Interdisciplinary Perspective - AAI Fall Symposium*, November 2005. Extended abstract.
- [27] Ron Ashri, Sarvapali D. Ramchurn, Jordi Sabater, Michael Luck, and Nicholas R. Jennings. Trust analysis through relationship identification. In *Second European Workshop on Multi-Agent Systems (EUMAS'04)*, December 2004.

- [28] Jordi Sabater. Toward a test-bed for trust and reputation models. In *7th International Workshop on Trust in Agent Societies*, pages 101–105, July 2004.
- [29] Jordi Sabater-Mir, Mario Paolucci, and Rosaria Conte. Introducing the imprep model. In *Workshop on Reputation in Agent Societies*, pages 36–41, September 2004.
- [30] Jordi Sabater and Carles Sierra. Social aspects of regret, a reputation models based on social relations. In *5e Congrés Català d’Intel·ligència Artificial (CCIA-02)*, pages 336–343, October 2002.
- [31] Jordi Sabater and Carles Sierra. Regret: A reputation model for gregarious societies. In *Fourth Workshop on Deception Fraud and Trust in Agent Societies*, pages 61–70, May-June 2001.
- [32] Francisco Martin, Enric Plaza, Juan Antonio Rodriguez-Aguilar, and Jordi Sabater. Java interagents for multi-agent systems. In *AAAI-98 workshop on software tools for developing agents (AAAI-98)*, pages 139–140, July 1998.
- [33] Francisco Martin, Enric Plaza, Juan Antonio Rodriguez-Aguilar, and Jordi Sabater. Jim, a java interagent for multi-agent systems. In *1er Congrés Català d’Intel·ligència Artificial*, pages 163–171, October 1998.
- [34] Jordi Sabater, Josep Lluís Arcos, and Ramon Lopez de Mantaras. Using rules to support case-based reasoning for harmonizing melodies. In *AAAI Spring Symposium on MultiModal Reasoning*, pages 147–151, March 1998.

## Demonstrations

- [1] Ismel Brito, I. Pinyol, Daniel Villatoro, and J. Sabater-Mir. Hiherei: Human interaction within hybrid environments. In *Proceedings of 8th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2009)*, volume 2, pages 1417–1418, 2009.
- [2] Karen K. Fullam, Tomas B. Klos, Guillaume Muller, Jordi Sabater-Mir, K. Suzanne Barber, and Laurent Vercouter. The agent reputation and trust (art) testbed. In *18th Belgium-Netherlands Conference on Artificial Intelligence (BNAIC 2006)*, pages 449–450, October 2006.
- [3] Karen K. Fullam, Tomas B. Klos, Guillaume Muller, Jordi Sabater, Andreas Schlosser, Zvi Topol, K. Suzanne Barber, Jeffrey S. Rosenschein, Laurent Vercouter, and Marco Voss. A demonstration of the agent reputation and trust (art) testbed for experimentation and competition. In *4th International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS-2005)*, volume Industrial Track, pages 151–152, July 2005.
- [4] Karen K. Fullam, Tomas B. Klos, Guillaume Muller, Jordi Sabater, Zvi Topol, K. Suzanne Barber, Jeffrey S. Rosenschein, and Laurent Vercouter. Le banc d’essais ART (agent reputation and trust) pour les modèles de confiance. In *Journées Francophones sur les Systèmes Multi-Agents*, pages 175–179, November 2005.





### Accreditations

- “**Acreditació de Professor lector**” issued by the “Agència per la Qualitat del Sistema Universitari de Catalunya (AQU)”
- “**Acreditació de Recerca Avançada**” issued by the “Agència per la Qualitat del Sistema Universitari de Catalunya (AQU)”

### Professional Affiliations

- President of the European Association for Multi-Agent Systems (EURAMAS). 2013-2015.
- EURAMAS Board of Directors. 2011-2018.
- Member of ACIA - Associació Catalana d'Intel·ligència Artificial

### Invited talks

- *Going Cognitive: A Cognitive Approach to Computational Trust and Reputation*, Trust Management Symposium: Industry Meets Academia, 22 March 2012, Potsdam, Germany. Invited presentation.
- *Confidence and cognition*, Agreement Technologies and Catedra 'El cervell social' Workshop "Linking artificial intelligence with social neuroscience", 19 February 2010. Invited presentation.
- *Towards the next generation of computational trust and reputation models*, MDAI-06 (Modelig Decisions for Artificial Intelligence), 3rd April 2006. Plenary talk (keynote speaker).

### Invited seminars

- Insa-Rouen. 12 April 2012.
- Univ. Pontificia di Roma. 4th May 2005.
- IAM Seminar Series, University of Southampton, 16th December 2003.
- University of Girona. October 2001.

### Events organization

- **[Scientific Chair]** CCIA-19, 22nd International Conference of the Catalan Association for Artificial Intelligence.
- **[Publicity Chair]** AAMAS-18, 17th International Conference on Autonomous Agents and Multiagent Systems.
- **[Local Chair, Scientific Chair]** EASSS-2015, 17th European Agent Systems Summer School, Barcelona, Spain.
- **[Program Chair]** EUMAS-09, European Workshop on Multi-Agent Systems, Ayia Napa, Cyprus.
- **[Publicity Chair]** AAMAS-10, 9th International Conference on Autonomous Agents and Multiagent Systems.
- **[Organising Committee]** Workshop on Competitive agents in “Agent Reputation and Trust Testbed”. As part of the “XII Conferencia de la Asociación Española para la Inteligencia Artificial” (CAEPIA-2007). Salamanca, Spain, November 2007.
- **[Organising Committee]** International Workshop on Trust in Agent Societies. As part of the International joint conference on Autonomous Agents and Multi Agent Systems (AAMAS).
  - XV edition, AAMAS-2012. Valencia, Spain, June 2012.
  - XIV edition, AAMAS-2011. Taipei, Taiwan, May 2011.
  - XIII edition, AAMAS-2010. Toronto, Canada, May 2010.
  - XII edition, AAMAS-2009. Budapest, Hungary, May 2009.
  - XI edition, AAMAS-2008. Estoril, Portugal, May 2008.

- X edition, AAMAS-2007. Hawaii, USA, May 2007.
- IX edition, AAMAS-2006. Hakodate, Japan, May 2006.
- VIII edition, AAMAS-2005. Utrecht, The Netherlands, July 2005.
- VII edition, AAMAS-2004. New York, USA, July 2004.
- **[Organising Committee]** Workshop on Multi-Agent-Based Simulation (MABS-2011). Taipei, Taiwan, May 2011.
- **[Competition organizer]** ART competitions.
  - International competition, AAMAS-2008, Estoril, Portugal.
  - International competition, AAMAS-2007, Hawaii, USA.
  - International competition, AAMAS-2006, Hakodate, Japan.
  - Spanish National competition, Valencia, March 2007.
  - Spanish National competition, Madrid, April 2006.
- **[Organising Committee]** Workshop on Reputation in Agent Societies (RAS-2004). At IEEE/WIC/ACM International Joint Conference on Intelligent Agent Technology (IAT'04) and Web Intelligence (WI'04), Beijing, 2004.
- **[Organising Committee]** “Trust in Open eBusiness Collaborations”, AgentLink III Technical Forum Groups, Rome, June 30 - July 2, 2004.
- **[Advisory Board]** Member of the advisory board. UDT IIIA-CSIC - Technological Development Unit
- **[Advisory Board]** Project SimulPast, CONSOLIDER-INGENIO (CSD2010-00034)

#### **Senior Program committees**

- International joint conference on Autonomous Agents and Multi Agent Systems (AAMAS-2011, AAMAS-2013, AAMAS-2015)

#### **Program committees**

- International joint conference on Autonomous Agents and Multi Agent Systems (AAMAS-2004, AAMAS-2005, AAMAS-2008, AAMAS-2009, AAMAS-2010, AAMAS-2012, AAMAS-2016, AAMAS-2019)
- International Joint Conference on Artificial Intelligence (IJCAI-2011, IJCAI-2015, IJCAI-2017, IJCAI-2018, IJCAI-2019)
- European Conference on Artificial Intelligence (ECAI-2010, ECAI-2012, ECAI-2016)
- Intelligent Virtual Agents (IVA-2018)
- International Workshop on Trust in Agent Societies (TRUST-2004, TRUST-2005, TRUST-2006, TRUST-2007, TRUST-2008, TRUST-2009, TRUST-2010, TRUST 2011, TRUST 2012, TRUST 2013, TRUST 2014, TRUST 2016, TRUST 2017)
- Winter Simulation Conference (WSC-2012)
- Social Simulation Conference (SSC-2014, SSC-2016, SSC-2018)
- International Conference on Simulation and Modeling (SIMULTECH-2015, SIMULTECH-2018)
- Second International Workshop on Multiagent Foundations of Social Computing (MFSC-2015)
- Conference of The European Social Simulation Association (ESSA-09)
- European Conference on Social Intelligence (ECSI-2014)
- Social Coordination: Principles, Artefacts and Theories (Social-Path-2013, Social-Path-2014)
- Workshop on Multi-Agent-Based Simulation (MABS-2011, MABS-2012)
- International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS-2012, PAAMS-2013, PAAMS-2014, PAAMS-2015)
- European Workshop on Multi-Agent Systems (EUMAS-2004, EUMAS-2005, EUMAS-2006, EUMAS-2007, EUMAS-2010, EUMAS-2011, EUMAS-2012, EUMAS-2013, EUMAS 2014, EUMAS 2015)

- German Conference on Multiagent System Technologies (MATES-2014, MATES-2015, MATES-2016, MATES-2017)
- EPIA conference on Artificial Intelligence (EPIA-19)
- Workshop on Multi-Agent Systems: Theory and Applications (MASTA-07 in EPIA-07, MASTA-09 in EPIA-09, MASTA-11 in EPIA-11, MASTA-13 in EPIA-13, MASTA-17 in EPIA-17)
- Intelligent Systems and Agents (ISA-07, ISA-08)
- Information Dynamics in Artificial Societies Workshop @ ESSLLI-2014 (IDAS-ESSLLI-2014)
- International Workshop on Engineering Societies in the Agents World (ESAW-2008)
- International Workshop on Computationally Adapted laws, policies and norms for self-Organising Systems (CA\*OS-2013)
- International Conference on Agreement Technologies (AT-2013, AT-2015, AT-2017, AT-2018)
- Workshop on Agents and CyberSecurity (ACySe-2014, ACySe-2015)
- Congrés Internacional de l'Associació Catalana d'Intel·ligència Artificial (CCIA-07, CCIA-08, CCIA-11, CCIA-12, CCIA-13, CCIA-14, CCIA-15, CCIA-16, CCIA-17, CCIA-18)
- International Joint Conference IBERAMIA/SBIA/SBRN-2006
- International Workshop on Reputation in Agent Societies (RAS-2004, in IAT-2004)
- Second International Workshop on Regulated Agent-Based Social Systems: Theories and Applications (RASTA-2003)
- Workshop on Applications of Software Agents in Engineering (in ECAI-2004)
- International Conference on Reputation (ICORE-2009, ICORE-2011)
- Workshop on Web Personalization, Reputation and Recommender Systems (WPRRS-2008, WPRRS-2009)
- Ibero-American Workshop in Multi-Agent Systems (Iberagents-2008)
- International Symposium on Computer and Information Sciences (ISCIS-09)
- International Conference on Trust Management (IFIPTM-10)
- Workshop on Agent-Based Social Simulation and Autonomic Systems (ABSS-09)
- EASSS student session (EASSS-08, EASSS-09, EASSS-10, EASSS-11)
- Annual Conference on Computer Applications and Quantitative Methods in Archaeology (CAA-2010)
- International Conference on Social Informatics (SocInfo-2010)
- Workshop on Social Simulation and Modelling (SSM-2011)
- IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT-2011, IAT-2012)
- Trust, Incentives and Norms in open Multi-Agent Systems (TINMAS-2012, TINMAS-2013)
- Information and Trust Dynamics in Artificial Societies - IJCAI-13 Workshops (ITDAS-2013)
- Portuguese Conference on Artificial Intelligence (EPIA-2011, EPIA-2013, EPIA-2017)
- IEEE International Conference on e-Business Engineering (ICEBE-2013, ICEBE-2014)
- SocialEdu - International Workshop on Social Computing in Digital Education (SocialEdu-2015, SocialEdu-2016)
- ProSocrates - Symposium on Problem-solving, Creativity and Spatial Reasoning in Cognitive Systems (ProSocrates-2017)

#### **Reviewer for journals**

- Artificial Intelligence Review (AIRE)
- Artificial Intelligence Journal (AIJ)

- Computational Intelligence (CI)
- Journal of Logic and Computation (JLC)
- Journal of Artificial Intelligence Research (JAIR)
- Pattern Recognition Letters (PRL)
- Journal of Organizational Computing and Electronic Commerce (JOCEC)
- Web intelligence and Agent Systems (WIAS)
- Journal of Artificial Societies and Social Simulation (JASSS)
- Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS)
- Knowledge Engineering Review (KER)
- International Journal of Human Computer Studies (IJHCS)
- International Journal of Agent-Oriented Software Engineering (IJAOSE)
- IEEE Transactions on Systems, Man and Cybernetics (SMC)
- IEEE Transactions on Knowledge and Data Engineering (TKDE)
- IEEE Transactions on Reliability (TR)
- AgentLink Newsletter
- Journal of the Brazilian Computer Society on Agents Organizations (JBACS)
- Knowledge and Information System (KAIS)
- Transactions on Intelligent Systems and Technology (ACM TIST)
- Simulation - Transactions of the Society for Modeling and Simulation International (SIMULATION)
- Computational and Mathematical Organization Theory (CMOT)
- The Future of Science and Ethics

#### **Reviewer for international conferences**

- European Conference on Artificial Intelligence (ECAI-2008)
- International Symposium on Foundations of Information and Knowledge Systems (FoIKS-2008)
- International Joint Conference on Artificial Intelligence (IJCAI-2007, IJCAI-2009)
- American Conference on Artificial Intelligence (AAAI-2006)
- Pacific Rim International Conference on Artificial Intelligence (PRICAI-2006)
- International Semantic Web Conference (ISWC-2006)
- European Agent Systems Summer School (EASSS-08)

#### **Expert tasks**

- External reviewer for the AGAUR (Agència de Gestió d'Ajuts Universitaris i de Recerca)

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## PHD THESIS SUPERVISION

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### PhD thesis supervised

TITLE: Trust Alignment and Adaptation: Two Approaches for Talking about Trust in Multi-Agent Systems  
AUTHOR: Andrew Koster (co-directed together with Dr. Marco Schorlemmer)  
UNIVERSITY: Universitat Autònoma de Barcelona  
SCHOOL/FACULTY: Computer Science  
YEAR: 2012  
QUALIFICATION: Apte Cum Laude

TITLE: Social Norms for Self-Policing Multi-Agent Systems and Virtual Societies  
AUTHOR: Daniel Villatoro Segura  
UNIVERSITY: Universitat Autònoma de Barcelona  
SCHOOL/FACULTY: Computer Science  
YEAR: 2011  
QUALIFICATION: Excel.lent Cum Laude

\*\*\*\*\* This thesis won the Victor Lesser Distinguished Dissertation Award 2011 \*\*\*\*\*

TITLE: Milking the Reputation Cow: Argumentation, Reasoning and Cognitive Agents  
AUTHOR: Isaac Pinyol Catadau  
UNIVERSITY: Universitat Politècnica de Catalunya  
SCHOOL/FACULTY: Computer Science  
YEAR: 2010  
QUALIFICATION: Excel.lent Cum Laude

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## OTHER RELEVANT SCIENTIFIC ACTIVITIES

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### PATENTS

Carles Sierra; Nardine Osman; Bruno Rosell; Lissette Lemus; Marco Schorlemmer; Jordi Sabater-Mir; Josep Puyol Gruart; Pere Garcia i Calves. 3734/2016. **uHelp: Tecnologías inteligentes de la informacin para facilitar el desarrollo de comunidades de ayuda mutua.** España. 03/11/2016. Consejo Superior de Investigaciones Científicas.

### TEACHING

#### UNIVERSITY COURSES:

COURSE: BDI agents  
DEGREE: Master in Computer Vision and Artificial Intelligence  
FROM: 2013 TO: —  
DEPARTMENT: Department of Computer Science  
UNIVERSITY: Universitat Autònoma de Barcelona  
CATEGORY: Lecturer

COURSE: BDI agents  
DEGREE: Master in Computer Vision and Artificial Intelligence  
FROM: 2012 TO: —  
DEPARTMENT: Department of Computer Science  
UNIVERSITY: Universitat Autònoma de Barcelona  
CATEGORY: Lecturer

COURSE: BDI agents  
DEGREE: Master in Computer Vision and Artificial Intelligence  
FROM: 2011 TO: —  
DEPARTMENT: Department of Computer Science  
UNIVERSITY: Universitat Autònoma de Barcelona  
CATEGORY: Lecturer

COURSE: BDI agents  
DEGREE: Master in Computer Vision and Artificial Intelligence  
FROM: 2010 TO: —  
DEPARTMENT: Department of Computer Science  
UNIVERSITY: Universitat Autònoma de Barcelona  
CATEGORY: Lecturer

COURSE: Computational trust and reputation models  
DEGREE: Master in Computer Vision and Artificial Intelligence  
FROM: 2009 TO: —  
DEPARTMENT: Department of Computer Science  
UNIVERSITY: Universitat Autònoma de Barcelona  
CATEGORY: Lecturer

COURSE: Agent Architectures  
DEGREE: Master in Computer Vision and Artificial Intelligence  
FROM: 2008 TO: 2009  
DEPARTMENT: Department of Computer Science  
UNIVERSITY: Universitat Autònoma de Barcelona  
CATEGORY: Lecturer

COURSE: Computational trust and reputation models  
DEGREE: Master in Computer Vision and Artificial Intelligence  
FROM: 2008 TO: —  
DEPARTMENT: Department of Computer Science  
UNIVERSITY: Universitat Autònoma de Barcelona  
CATEGORY: Lecturer

COURSE: Agent Architectures  
DEGREE: Master in Computer Vision and Artificial Intelligence  
FROM: 2007 TO: 2008  
DEPARTMENT: Department of Computer Science  
UNIVERSITY: Universitat Autònoma de Barcelona  
CATEGORY: Lecturer

COURSE: Intel·ligència Artificial, 2on cicle  
DEGREE: Ingeniería en Informática  
FROM: 01-11-2005 TO: 31-01-2006  
DEPARTMENT: Escola Politècnica Superior  
UNIVERSITY: Universitat de Lleida  
CATEGORY: Professor Lector

COURSE: Programació en Prolog, 1er cicle  
DEGREE: Ingeniería Técnica en Informática de Gestión  
FROM: 01-11-2005 TO: 31-01-2006  
DEPARTMENT: Escola Politècnica Superior  
UNIVERSITY: Universitat de Lleida  
CATEGORY: Professor Lector

COURSE: Programació en Prolog, 1er cicle  
DEGREE: Ingeniería Técnica en Informática de Sistemas  
FROM: 01-11-2005 TO: 31-01-2006  
DEPARTMENT: Escola Politècnica Superior  
UNIVERSITY: Universitat de Lleida  
CATEGORY: Professor Lector

#### **TUTORIALS:**

COURSE: Introduction to Autonomous Agents and Multiagent Systems  
EVENT: 17th European Agent Systems Summer School, Universitat de Barcelona, Barcelona, Spain  
PERIOD: 6 Jul– 10 Jul 2015

COURSE: Trust and reputation in multiagent systems  
EVENT: 14th European Agent Systems Summer School, Universitat Politècnica de Valencia, Valencia, Spain  
PERIOD: 28 May–1 June 2012

COURSE: Trust and reputation in multiagent systems  
EVENT: 12th European Agent Systems Summer School, Ecole Nationale Sup. des Mines, Saint-Etienne, France  
PERIOD: 23 August–27 August 2010

COURSE: Trust and reputation in multiagent systems  
EVENT: 11th European Agent Systems Summer School, University of Torino, Torino, Italy  
PERIOD: 31 August–4 September 2009

COURSE: Computational Trust and Reputation Models  
EVENT: 9th European Agent Systems Summer School, University of Durham, Durham, UK  
PERIOD: 27–31 August 2007

COURSE: Modelos de trust y reputación  
EVENT: Escuela de Agentes - Agentcities, Universidad Carlos III, Madrid, Spain  
PERIOD: 24–26 April 2006

#### **SUPERVISION TASKS:**

Mentor in the Doctoral Mentoring Program at the Autonomous Agents and Multi-Agent Systems conference (AAMAS 2011)

PhD Advisory Board - Student: Joana Urbano, Supervisor: Eugenio Oliveira. Universidade do Porto, Porto.

Master thesis: “Norm Selection in a Simulated Resource-Gathering Society”. Daniel Villatoro Segura. 2006-2007.

Supervision of 5 final degree projects

## AWARDS

AWARD: Victor Lesser Distinguished Dissertation Award 2011

REASON: Award for the thesis of my former PhD student Daniel Villatoro titled "Social Norms for Self-Policing Multi-Agent Systems and Virtual Societies"

ORGANIZATION: IFAAMAS

DATE: 2012

AWARD: Best Student Software Award

REASON: Software demonstration: HIHEREI: Human Interaction within Hybrid Environments Regulated through Electronic Institutions, Isaac Pinyol, Dani Villatoro, Ismel Brito and Jordi Sabater

ORGANIZATION: AAMAS-09, International Joint Conference on Autonomous Agents and Multiagent Systems

DATE: 2009

AWARD: Premio a la mejor publicacion en revista cientifica

REASON: Publication of the article: A multi-agent system approach for monitoring the prescription of restricted use antibiotics, L. Godo, J. Puyol-Gruart, J. Sabater, V. Torra, P. Barrufet, X. Fabregas, published in Artificial Intelligence in Medicine

ORGANIZATION: Fundacio Associacio de les Ciencies Mediques de Catalunya i Balears, Filial del Maresme

DATE: 2002

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## OTHER MERITS

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### Other academic qualifications

- Title of Violin professor issued by the "Ministerio de Educación, Cultura y Deporte" of the Spanish Government.
- Elementary diploma of piano issued by the "Ministerio de Educación, Cultura y Deporte" of the Spanish Government.

### Musical activities

- 1995 - Member of the "Joan Llongueres" orchestra conducted by Francesc Llongueres.
- 1992 - German tour with the JJMMC (Juventuts Musicals de Catalunya) orchestra.
- 1990 - Selected to be part of the Symphonic Orchestra of the International Music stage in Torroella de Montgr with members of the Royal College of Music, London.
- 1990 - Course of violin interpretation and technique with the professors of the Royal College of Music, London. Direction, professor Jae Park. Grant issued by "Caixa de Catalunya".
- 1989 - Course of violin interpretation and technique with the professors of the Royal College of Music, London. Direction, professor Rodney Friend. Grant issued by "Caixa de Catalunya".
- 1986-89 - Violin and harmony studies with professors Gerard Claret and Benet Casablanca.
- 1986-1989 - Active member of the JJMMC (Joventuts Musical de Catalunya) orchestra. With this formation played, among others, in the Liceu Theater ("Gran Teatre de Liceu"), "Salo de Cent" of Barcelona's council, "Palau de la Generalitat" as well as in several recordings for RNE and TV3.