

Curriculum Vitae

Name: Jordi Sabater Mir

Date: 29-04-2011

PERSONAL DATA

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

Date of birth: 02-02-1973

Forename: Jordi
Gender: M

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

PRESENT RESEARCH AREA

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

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

PAST SCIENTIFIC EXPERIENCE

Position	Centre	Institution	Start date	End date
Investigador 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

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

PARTICIPATION IN RESEARCH PROJECTS

International Projects

***** Ongoing projects

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

***** Past projects

PROJECT TITLE: eRep (Social knowledge for e-Governance)
FINANCIAL ENTITY: European Union
PROJECT NUMBER: CIT5-028575-STP
LENGTH FROM: 01-04-2006 TO: 31-03-2009
COORDINATOR: Mario Paolucci

Main researcher at the IIIA

PROJECT TITLE: OpenKnowledge
FINANCIAL ENTITY: European Union
PROJECT NUMBER: IST-4-027253-STP
LENGTH FROM: 01-01-2006 TO: 31-12-2008
COORDINATOR: Dave Robertson

PROJECT TITLE: SocialRep
FINANCIAL ENTITY: European Union
PROJECT NUMBER: MERG-CT-2005/029161
LENGTH FROM: 01-03-2006 TO: 29-02-2008
COORDINATOR: Carles Sierra

Main researcher at the IIIA

PROJECT TITLE: SLIE (Sustainable Lifecycles in Information Ecosystems)
FINANCIAL ENTITY: European Union
PROJECT NUMBER: IST-1999-10948
LENGTH FROM: 01-05-2000 TO: 01-05-2003
COORDINATOR: Dave Robertson

National Projects

***** Ongoing projects

PROJECT TITLE: ASKS
FINANCIAL ENTITY: Generalitat de Catalunya ACC1 RD10-1-0052
PROJECT NUMBER:
LENGTH FROM: 01-11-2010 TO: 30-11-2012
COORDINATOR: Strategic Attention Management

PROJECT TITLE: Llibre Intel.ligent
FINANCIAL ENTITY: Baherumi Digital S.L.
PROJECT NUMBER:
LENGTH FROM: 01-11-2009 TO: 31-10-2011
COORDINATOR: Baherumi Digital

Main Researcher at the IIIA

PROJECT TITLE: EVE (Engineering Self-* Virtually-Embedded Systems)
FINANCIAL ENTITY: MICINN
PROJECT NUMBER: TIN2009-14702-C02-01
LENGTH FROM: 01/01/2010 TO: 31/01/2012
COORDINATOR: Marc Esteva

PROJECT TITLE: Agreement Technologiess
FINANCIAL ENTITY: MCYT
PROJECT NUMBER: Consolider-2007
LENGTH FROM: 01-09-2007 TO: 31-08-2012
COORDINATOR: Carles Sierra Garcia

******* Past projects**

PROJECT TITLE: MACNORMS (Mecanismos de Autoorganizacin y de Control social generadores de normas sociales)
FINANCIAL ENTITY: CSIC
PROJECT NUMBER: Intramurales de frontera - 2008
LENGTH FROM: 01-09-2008 TO: 28-02-2011
COORDINATOR: Jordi Sabater-Mir

PROJECT TITLE: BROKAPITAL (Redes sociales del conocimiento para los procesos de inversi3n de capital riesgo en proyectos de base tecnol3gica)
FINANCIAL ENTITY: MCYT
PROJECT NUMBER: TSI-020502-2008-14
LENGTH FROM: 24-11-2008 TO: 31-12-2010
COORDINATOR: Josep Puyol-Gruart

PROJECT TITLE: Integracion de un modelo cognitivo de reputacion en un agente BDI
FINANCIAL ENTITY: CSIC
PROJECT NUMBER: Intramurales - 2008
LENGTH FROM: 01-10-2008 TO: 31-12-2009
COORDINATOR: Jordi Sabater-Mir

PROJECT TITLE: Autonomic electronic Institutions
FINANCIAL ENTITY: MCYT
PROJECT NUMBER: TIN-2006-15662-C02-01
LENGTH FROM: 01-10-2006 TO: 30-09-2009
COORDINATOR: Juan Antonio Rodriguez

PROJECT TITLE: SPEED (I+D de una plataforma de servicios m3viles para la planificacin, control y gesti3n de recursos m3viles)
FINANCIAL ENTITY: MCTY
PROJECT NUMBER: TSI-020302-2008-13
LENGTH FROM: 25-08-2008 TO: 31-12-2008
COORDINATOR: Josep Puyol-Gruart

PROJECT TITLE: E-Institutor
FINANCIAL ENTITY: CICYT
PROJECT NUMBER: TIC-2000-1414
LENGTH FROM: 28-12-2000 TO: 27-12-2003
COORDINATOR: Carles Sierra Garcia

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

Indexed Journals SCI

- [1] 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)*, In press.
- [2] 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.
- [3] 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.
- [4] 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: 1.22.
- [5] 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.
- [6] Jordi Sabater and Carles Sierra. Review on computational trust and reputation models. *Artificial Intelligence Review*, 24(1):33–60, 2005. Impact factor: 0.868.
- [7] Jordi Sabater. Evaluating the regret system. *Applied Artificial Intelligence*, 18(9-10):797–813, 2004. Impact factor: 0.556.
- [8] 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.
- [9] 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.
- [10] 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.

Lecture Notes in Computer Science

- [1] 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.
- [2] 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.
- [3] 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).
- [4] 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.
- [5] Isaac Pinyol and Jordi Sabater-Mir. Arguing about reputation. the Irep 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).

- [6] Isaac Pinyol, Jordi Sabater-Mir, and Pilar Dellunde. 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.
- [7] 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.
- [8] 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.
- [9] 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.
- [10] 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).
- [11] 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.
- [12] 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] 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.
- [3] 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] 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. *Whitestein Series in Software Agent Technologies and Autonomic Computing*. Birkhauser, 2007.

- [2] 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

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)¹

- [1] 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)*, In press (2011).
- [2] 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)*, In press (2011).
- [3] Nardine Osman, Carles Sierra, and Jordi Sabater-Mir. Propagation of opinions in structural graphs. In *19th European Conference on Artificial Intelligence (ECAI-10)*, August 2010.
- [4] Isaac Pinyol and Jordi Sabater-Mir. Pragmatic-strategic reputation-based decisions in bdi agents. In *The Eighth International Conference on Autonomous Agents and Multiagent Systems (AAMAS'09)*, pages 1001–1008, 2009.
- [5] Daniel Villatoro and Jordi Sabater-Mir. Dynamics in the normative group recognition process. In *Proceedings of IEEE Congress on Evolutionary Computation (IEEE CEC 2009)*, 2009.
- [6] 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)*. IEEE Press, 2009.
- [7] 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.
- [8] 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.
- [9] 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.
- [10] 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.
- [11] 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.

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

- [12] 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.
- [13] 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.

International conferences with a strict selection process (posters)

- [1] 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), In press (2011).
- [2] 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.
- [3] Isaac Pinyol and Jordi Sabater-Mir. An argumentation-based protocol for social evaluations exchange. In Proceedings of The 19th European Conference on Artificial Intelligence (ECAI 2010), Lisbon, PORTUGAL, 2010.
- [4] 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.
- [5] 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.
- [6] 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.
- [7] 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] Yann Krupa, Laurent Vercoeur, 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), In press.
- [2] Nardine Osman, Jordi Sabater-Mir, and Carles Sierra. Simulating research behaviour. In MABS Workshop, 2011.
- [3] 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.
- [4] Assumpcio Vila, Jordi Estevez, Daniel Villatoro, and Jordi Sabater-Mir. Archaeological materiality of social inequality among hunter-gatherer societies. In Archaeological Invisibility and Forgotten Knowledge Conference Proceedings (2007), volume BAR-S2183, pages 202–210. Archaeopress, 2010. BAR S2183, 2010 Archaeological Invisibility and Forgotten Knowledge Conference Proceedings, University of Lodz, Poland, 5th7th September 2007 edited by Karen Hardy.
- [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. In Eighth European Workshop on Multi-Agent Systems (EUMAS'10), December 2010.
- [7] S. Konig, I. Pinyol, D. Villatoro, J. Sabater-Mir, and T. Eymann. An architecture for simulating internet-of-services economies. In The Seventh German Conference on Multiagent System Technologies (MATES'09), 2009.
- [8] 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.

- [9] 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.
- [10] 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, LNISCT. Springer, 2009.
- [11] 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.
- [12] Isaac Pinyol and Jordi Sabater-Mir. Integrating image and reputation information in bdi agents. In *First International Conference on Reputation (ICORE'09)*, 2009.
- [13] 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.
- [14] Isaac Pinyol and Jordi Sabater-Mir. Integrating image and reputation information in bdi agents (short version). In *Sixth European Workshop on Multi-Agent Systems*, December 2008.
- [15] 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.
- [16] 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.
- [17] 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.
- [18] 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.
- [19] 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.
- [20] 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.
- [21] 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.
- [22] Jordi Sabater-Mir, Isaac Pinyol, Daniel Villatoro, and Guifré Cuni. 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.
- [23] 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.
- [24] Olivier Boissier, Cosmin Carabelea, Cristiano Castelfranchi, Jordi Sabater, and Luca Tummolini. The dialectics between an individual and his role. In *Roles: An Interdisciplinary Perspective - AAAI Fall Symposium*, November 2005. Extended abstract.
- [25] 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.
- [26] 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.
- [27] Jordi Sabater-Mir, Mario Paolucci, and Rosaria Conte. Introducing the imprep model. In *Workshop on Reputation in Agent Societies*, pages 36–41, September 2004.
- [28] 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.
- [29] 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.

- [30] 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)*, July 1998.
- [31] Francisco Martin, Enric Plaza, Juan Antonio Rodriguez-Aguilar, and Jordi Sabater. Jim, a java interagent for multi-agent systems. In *1er Congres Catala d'Intel.ligencia Artificial*, pages 163–171, October 1998.
- [32] Jordi Sabater, Josep Lluís Arcos, and Ramon Lopez de Mantaras. Using rules to support case-based reasoning for harmonizing melodies. In *1998 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)*, 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 it151–it152, 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.

STAYS IN INTERNATIONALLY RECOGNIZED CENTRES

KEY: D=Ph.D student, P=postdoctoral. G= guest, S=staff, O=others (specify)

CENTRE: Istituto di Scienze e Tecnologie della Cognizione (ISTC-CNR)
PLACE: Roma COUNTRY: Italy YEAR: 2003-2005 LENGTH: 24 months
TOPIC: Computational Trust and Reputation models KEY: S-P (Marie Curie Fellowship)

CENTRE: Istituto di Scienze e Tecnologie della Cognizione (ISTC-CNR)
PLACE: Roma COUNTRY: Italy YEAR: 2003 LENGTH: 4 months
TOPIC: Computational Trust and Reputation models KEY: P

CENTRE: University of Edinburgh - Artificial Intelligence department
PLACE: Edinburgh COUNTRY: UK YEAR: 2000 LENGTH: 2 months
TOPIC: Large Multi-agent systems KEY: S-D

CENTRE: Artificial Intelligence Research Institute (IIIA-CSIC)
PLACE: Bellaterra (Barcelona) COUNTRY: Spain YEAR: 1997 LENGTH: 67 months
TOPIC: Multi-agent systems, Agent engineering, Computational trust and reputation models KEY: S-D

PARTICIPATION IN RESEARCH CONTRACTS OF SPECIAL RELEVANCE WITH COMPANIES AND/OR PRIVATE OR PUBLIC FUNDING BODIES

CONTRACT TITLE: Ramon y Cajal
FINANCIAL ENTITY: Ministerio de educacin y ciencia
LENGTH FROM: 01-02-2006 TO: 18-07-2008
COORDINATOR: ———

CONTRACT TITLE: Professor Lector
FINANCIAL ENTITY: UdL (Universitat de Lleida)
LENGTH FROM: 01-11-2005 TO: 31-01-2006
COORDINATOR: ———

CONTRACT TITLE: Marie Curie Intra-European Fellowship
FINANCIAL ENTITY: European Union
LENGTH FROM: 01-11-2003 TO: 01-11-2005
COORDINATOR: Rosaria Conte

CONTRACT TITLE: Research Assistant - SLIE project
FINANCIAL ENTITY: European Union
LENGTH FROM: 01-04-2000 TO: 30-04-2003
COORDINATOR: Dave Robertson

PROGRAM COMMITTEES, CONFERENCES AND SCIENTIFIC MANAGEMENT

Invited talks

- *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

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

Events organization

- **[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).
 - 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 (MAABS-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

Senior Program committees

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

Program committees

- International joint conference on Autonomous Agents and Multi Agent Systems (AAMAS-2004, AAMAS-2005, AAMAS-2008, AAMAS-2009, AAMAS-2010)
- International Joint Conference on Artificial Intelligence (IJCAI-2011)
- European Conference on Artificial Intelligence (ECAI-2010)
- International Workshop on Trust in Agent Societies (TRUST-2004, TRUST-2005, TRUST-2006, TRUST-2007, TRUST-2008, TRUST-2009, TRUST-2010, TRUST 2011)
- Workshop on Multi-Agent-Based Simulation (MAABS-2011)
- European Workshop on Multi-Agent Systems (EUMAS-2004, EUMAS-2005, EUMAS-2006, EUMAS-2007, EUMAS-2010, EUMAS-2011)
- Workshop on Multi-Agent Systems: Theory and Applications (MASTA-07 in EPIA-07, MASTA-09 in EPIA-09, MASTA-11 in EPIA-11)
- IADIS Intelligent Systems and Agents (ISA-07, ISA-08)
- Congrés Internacional de l'Associació Catalana d'Intel·ligència Artificial (CCIA-07, CCIA-08, CCIA-11)
- 2nd 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)
- Conference of The European Social Simulation Association (ESSA-09)
- Workshop on Web Personalization, Reputation and REcommender Systems (WPRRS-2008, WPRRS-2009)
- 7th Ibero-American Workshop in Multi-Agent Systems (Iberagents-2008)
- 24th 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-09, EASSS-10)
- XXXVIII 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)

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)
- 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)
- AgentLink Newsletter
- Journal of the Brazilian Computer Society on Agents Organizations (JBOS)
- Knowledge and Information System (KAIS)
- IEEE Transactions on Knowledge and Data Engineering (TKDE)
- Transactions on Intelligent Systems and Technology (ACM TIST)
- Simulation - Transactions of the Society for Modeling and Simulation International (SIMULATION)

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)

PHD THESIS SUPERVISION

PhD thesis supervised

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: Excellent Cum Laude

PhD thesis under supervision

PHD STUDENT: Daniel Villatoro Segura

UNIVERSITY: Universitat Autònoma de Barcelona

STARTING YEAR: 2006

PHD STUDENT: Andrew Koster (co-directed together with Dr. Marco Schorlemmer)

UNIVERSITY: Universitat Autònoma de Barcelona

STARTING YEAR: 2008

OTHER RELEVANT SCIENTIFIC ACTIVITIES

TEACHING

Accreditation as “Professor lector” issued by the “Agència per la Qualitat del Sistema Universitari de Catalunya (AQU)”

UNIVERSITY COURSES:

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: 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 reputacin
EVENT: Escuela de Agentes - Agentcities, Universidad Carlos III, Madrid, Spain
PERIOD: 24–26 April 2006

SUPERVISION TASKS:

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: 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 publicacin en revista cientfica

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. Fbregas, published in Artificial Intelligence in Medicine

ORGANIZATION: Fundaci Associaci de les Cincies Mdiques de Catalunya i Balears, Filial del Maresme DATE: 2002

OTHER MERITS

Other academic qualifications

- Title of Violin professor issued by the "Ministerio de Educacin, Cultura y Deporte" of the Spanish Government.
- Elementary diploma of piano issued by the "Ministerio de Educacin, 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"), "Sal de Cent" of Barcelona's council, "Palau de la Generalitat" as well as in several recordings for RNE and TV3.