

Felipe Meneguzzi

PhD

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May 27, 2017

Education

- 2009–2011 **Postdoc in Computer Science**, *Carnegie Mellon University*, Pittsburgh, USA.
- 2005–2009 **PhD in Computer Science**, *King's College London*, UK.
- 2002–2003 **MSc in Computer Science**, *PUCRS*, Porto Alegre, Brazil, *9.41 (out of 10)*.
1st of 19 students
- 1997–2001 **BSc in Computer Science**, *PUCRS*, Porto Alegre, Brazil, *9.15 (out of 10)*.
1st of 70 students

PhD thesis

- title *Extending agent languages for multiagent domains*
- supervisor Professor Michael Luck
- description Introduction of planning, cooperative planning, motivated reasoning and normative processing in an AgentSpeak(L) (an agent language) interpreter. Prototype was an extension of the Jason AgentSpeak(L) interpreter, and included a Java planning algorithm, and a scripted agent environment middleware.

Master thesis

- title *Planejamento Proposicional em Agentes BDI (Propositional Planning in BDI Agents)*
- supervisor Dr. Avelino Zorzo
- description Introduction of planning capabilities to a logic-based agent system. Prototype included a C++ implementation of Graphplan.

Diploma thesis

- title *ICE: Kernel de Agentes para Jogos (ICE: Agent Kernel for Games)*
- supervisor Dr. Michael da Costa Móra
- description Implementation of a C++ agent interpreter, the demo included an OpenGL 2D game that used the agent interpreter to control in-game characters.

Employment

Academia

- 2012-current **Associate Professor**, *Pontifícia Universidade Católica do RS*, Porto Alegre, Brazil.
 Lecturing graduate and undergraduate courses.
 Head of the Scientific Committee of the School of Computer Science
 Served as head of the Scientific Committee of the School of Computer Science (2013-2015)
 Served as member of the Teaching Board for the Computer Science program (2015-)
 Currently advises 4 MSc students and 4 PhD students
 Research focuses on normative reasoning and behaviour adaptation for autonomous agents.
- 2011-2012 **Project Scientist**, *Carnegie Mellon University*, Pittsburgh, USA.
 Work in the joint US/UK International Technology Alliance (ITA) defence project.
 Research focused on the distributed queries in semantic databases and presentation of uncertain and possibly conflicting data.
- 2009-2011 **Postdoctoral Research Fellow**, *Carnegie Mellon University*, Pittsburgh, USA.
 Work in the joint US/UK International Technology Alliance (ITA) defence project.
 Research focused on the formal relation between deterministic planning based on HTNs and stochastic planning based on MDPs and POMDPs. Practical applications being implemented include Proactive Assistant Agents that use plan recognition and constraint-based scheduling to anticipate and pre-fetch information for military planners.
- 2007-2009 **Part-time Research Assistant**, *King's College London*, London, UK.
 Contract Based e-Business Systems Engineering for Robust, Verifiable Cross-Organisational Business Applications.
 European Commission Framework 6 IST project.
 I was responsible for designing a framework for representing, and reasoning about norms and contracts. I also aided in the implementation of a contract monitoring component, and wrote and co-wrote a number of publications disseminating our results.
- 2003–2004 **Research Assistant**, *Pontifícia Universidade Católica do RS*, Porto Alegre, Brazil.
 Work in an HP-funded project.
 I led a team of 3 people doing research on digital publishing tools and variable data printing. I also led the implementation of an XSL-FO (a TeX-like XML language) typesetter that lays out text on multiple arbitrarily shaped areas spanning multiple pages.
- 2000–2003 **Research Assistant**, *Pontifícia Universidade Católica do RS*, Porto Alegre, Brazil.
 Work in an HP-funded project.
 Research on an embedded Linux distribution used for hardware diagnostics.
 Fulltime work while in MSc

Industry

- 2010–2012 **Scientific Consultant**, *Agent Dynamics, Inc.*, Pittsburgh, PA, USA.
 I consulted for the development of the Anticipatory Cognition (ANTICO) Agent Package
 While I was with the company, project went into procurement phase II within the Small Business Innovation Research (SBIR) program.
- 2004–2005 **Software Engineer**, *Hewlett-Packard*, Porto Alegre, Brazil.
 Imaging and Printing Labs.
 Managed a development team of 6 software engineers.
 Responsible for software design and releases of the (among other projects) productised version of the research developed during my work at PUCRS.

Administrative Duties

- 2013-2015 **Head of Scientific Committee**, *School of Computer Science*, PUCRS, Responsibilities included: i) Advising the head of school on acceptability of research projects committing university resources; ii) selection of strategically important research areas for new hires; iii) developing and evaluating internal calls for proposals to use research fund monies.
Reached the maximum allowable tenure with extensions.
- 2015-current **Member of Teaching Structuring Committee**, *School of Computer Science*, PUCRS, Responsibilities include: i) evaluating new module syllabi in my areas of expertise; ii) report to the head of the Teaching Structuring Committee on the implementation of new modules in my area of expertise.

Student Advising/Mentoring

- 2017-current **PhD. Advising**, *Leonardo Rosa Amado*, PUCRS, Learning how to act in a normative environment through observation.
Full industry scholarship (Motorola/Leonovo)
- 2016-current **PhD. Advising**, *Ramon Fraga Pereira*, PUCRS, Multi-agent keyhole plan recognition in incomplete domain models.
Full industry scholarship (HP)
- 2016-current **PhD. Advising**, *Maurício Cecílio Magnaguagno*, PUCRS, Symbolic-geometric planning.
Full government scholarship
- 2015-current **PhD. Advising**, *João Paulo de Souza Aires*, PUCRS, Detecting Violations from Cloud and Mobile Data .
Full government scholarship
- 2012-2015 **PhD. Advising (Thesis Committee)**, *Wagdi Alrawagfeh*, Memorial University of Newfoundland.
Advised the student on norm-driven reasoning
- 2016-current **MSc. Advising**, *Guilherme Krzisch*, PUCRS, Monitor placement in a normative System.
Full scholarship from the Brazilian Government
- 2016-current **MSc. Advising**, *Guilherme Azevedo*, PUCRS, Hybrid Planning for Robot Control.
Full scholarship from Dell Computer
- 2015-2017 **MSc. Advising**, *Stephan Chang*, PUCRS, An Architecture for Improved Supply and Demand Forecasting.
Full scholarship from Dell Computer
- 2015-2017 **MSc. Advising**, *Leonardo Rosa Amado*, PUCRS, Distributed Reinforcement Learning Applied to Mobile Devices.
Full scholarship from Motorola
- 2014-2016 **MSc. Advising**, *Ramon Fraga Pereira*, PUCRS, A Landmark-based Approach for Plan Recognition and Plan Abandonment.
Full government scholarship
- 2014-2016 **MSc. Advising**, *Maurício Cecílio Magnaguagno*, PUCRS, Method Composition through Operator Pattern Identification.
Full government scholarship

- 2014-2016 **MSc. Advising**, *Aníbal Solon Heinsfeld*, PUCRS, Deep Learning for Autism Identification in Neurological Data.
Full government scholarship
- 2013-2015 **MSc. Advising**, *João Paulo de Souza Aires*, PUCRS, Identifying Potential Conflicts Between Norms in Contracts.
Full scholarship from Hewlett Packard – Student currently a PhD student under my supervision
- 2013-2015 **MSc. Advising**, *Caroline Seligman Froehlich*, PUCRS, Feature Selection for Neuroimaging Applied to Word-category Identification in Dyslexic Children.
Full government scholarship – Student currently works at the Child Mind Institute, NY
- 2013-2015 **MSc. Advising**, *Rodrigo Buenavides Wesz*, PUCRS, Integrating Robot Control Into the AgentSpeak(L) Programming Language.
Student currently works at Hewlett Packard
- 2012-2014 **MSc. Advising**, *Rodrigo Castro Martins*, PUCRS, An Organization Based Multi Agent System for Smarthome Management.
Student currently on a PhD program in Canada
- 2012-2014 **MSc. Advising**, *Jiéverson Maissiat*, PUCRS, Meta-level Reasoning in Reinforcement Learning.
Student currently working on a start-up company

Teaching

- autumn/2016 **Lecturer**, *PUCRS*, Porto Alegre, Brazil.
- 54606-03 – Computational Intelligence (Inteligência Computacional)
45-hour Graduate course
 - 34648 – Logic and Computational Algebras (Lógica e Álgebras Computacionais)
30-hour Graduate course
 - 4643E – Artificial Intelligence (Inteligência Artificial)
60-hour Undergraduate course
- spring/2015 **Lecturer**, *PUCRS*, Porto Alegre, Brazil.
- 54667-02 – Automated Planning (Planejamento Automático)
30-hour Graduate course
 - 4643E – Artificial Intelligence (Inteligência Artificial)
60-hour Undergraduate course
- autumn/2015 **Lecturer**, *PUCRS*, Porto Alegre, Brazil.
- 54606-03 – Computational Intelligence (Inteligência Computacional)
45-hour Graduate course
 - 34648 – Logic and Computational Algebras (Lógica e Álgebras Computacionais)
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- 54667-02 – Automated Planning (Planejamento Automático)
30-hour Graduate course
 - 4643E – Artificial Intelligence (Inteligência Artificial)
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- autumn/2014 **Lecturer**, *PUCRS*, Porto Alegre, Brazil.
- 54606-03 – Computational Intelligence (Inteligência Computacional)
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 - 34648 – Logic and Computational Algebras (Lógica e Álgebras Computacionais)
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 - 4643E – Artificial Intelligence (Inteligência Artificial)
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- spring/2013 **Lecturer**, *PUCRS*, Porto Alegre, Brazil.
- 54667-02 – Automated Planning (Planejamento Automático)
30-hour Graduate course
 - 4643E – Artificial Intelligence (Inteligência Artificial)
60-hour Undergraduate course
- autumn/2013 **Lecturer**, *PUCRS*, Porto Alegre, Brazil.
- 54606-03 – Computational Intelligence (Inteligência Computacional)
45-hour Graduate course
 - 34648 – Logic and Computational Algebras (Lógica e Álgebras Computacionais)
30-hour Graduate course
 - 4643E – Artificial Intelligence (Inteligência Artificial)
60-hour Undergraduate course
- spring/2012 **Lecturer**, *PUCRS*, Porto Alegre, Brazil.
- 54600 – Advanced Topics in Computer Science (*TACC*)
30-hour Graduate course
 - 4642A – Logic for Computer Science (Lógica para Computação)
60-hour Undergraduate course
 - 4643E – Artificial Intelligence (Inteligência Artificial)
60-hour Undergraduate course

- autumn/2012 **Lecturer**, *PUCRS*, Porto Alegre, Brazil.
- 34666 – Development of Intelligent Systems (*Desenvolvimento de Sistemas Inteligentes*)
30-hour Graduate course
 - 4642A – Logic for Computer Science (Lógica para Computação)
60-hour Undergraduate course
 - 4643E – Artificial Intelligence (Inteligência Artificial)
60-hour Undergraduate course
- 2007–2008 **Tutor**, *King's College London*, London, UK.
Small Group Tutorials for Undergraduate Students on Computer Systems, Programming Practice, Programming Concepts, Programming Applications, Distributed Systems and Software Engineering.
Tutorials for MSc Students on Internet Systems
- 2006–2007 **Tutor**, *King's College London*, London, UK.
Small Group Tutorials for Undergraduate Students on Programming Applications, Distributed Systems and Software Engineering.
Tutorials for MSc Students on Internet Systems
- 2006–2007 **Lab Assistant**, *King's College London*, London, UK.
Assisted Java Programming Labs
- 2005–2006 **Lab Assistant**, *University of Southampton*, Southampton, UK.
Assisted Java Programming Labs
- 2003 **Lecturer**, *PUCRS*, Porto Alegre, Brazil.
Taught Introduction to Computing (History of Computer Science, Binary System, etc)

Awards

- 2017 IJCNN Best Student Paper Award
- 2017 CNPq Highly Productive Researcher Fellowship
- 2016 Google Research Award for Latin America
- 2016 Multi-Agent Programming Contest (1st place)
- 2016 Predictive Analytics in Mental Health Competition (2nd place)
- 2016 MSc dissertation contest in BRACIS (advised the 2nd place)
- 2014 CNPq Highly Productive Researcher Fellowship
- 2013 One of 4 Runners Up to Microsoft Research Faculty Fellowship
- 2013 Best PC Member for the 2013 Conference on Principles and Practice of Multi-Agent Systems
- 2001 Best performing undergraduate student award (Valedictorian)

Grants and Funding

- 2017 **Industry Project**, *Motorola, Brazil* – BRL 1,500,000.00, Mobile Data Analytics, Brazil.
Co-Investigator
- 2016 **Award**, *Google, Brazil* – BRL 44,640.00, Automatic Reasoning about Contractual Clauses, Brazil.
Co-Investigator
- 2016 **Industry Project**, *HP Inc, Brazil* – BRL 400,000.00, Learning and Inference for Ambient Intelligence, Brazil.
Principal Investigator

- 2016 **Industry Project**, *Motorola, Brazil – BRL 1,190,000.00*, Mobile Data Analytics, Brazil.
Co-Investigator
- 2016 **Industry Project**, *Dell Computers, Brazil – BRL 250,000.00*, Prediction model for dispatch behavior, Brazil.
Principal Investigator
- 2015 **Industry Project**, *Dell Computers, Brazil – BRL 150,000.00*, Demand Forecasting, Brazil.
Principal Investigator
- 2015 **Industry Project**, *Motorola, Brazil – BRL 1,050,000.00*, Mobile Data Analytics, Brazil.
Co-Investigator
- 2015 **Grant**, *CNPq – PVE - BRL 252,314.66*, *Monitoração robótica de qualidade de água em áreas urbanas* – Robotic monitoring of water quality in urban areas, Brazil.
Principal Investigator
- 2015 **Grant**, *PUCRS – PRAIAS - BRL 20,000.00*, *Projeto e aquisição de dados neurais em ressonância magnética como ferramenta no diagnóstico de distúrbios de aprendizagem* – Design and acquisition of neural data in fMRI as a tool in diagnosing learning disorders, Brazil.
Principal Investigator
- 2014 **Fellowship**, *CNPq – PQ - BRL 39,600.00*, *Tomada de decisão e fiscalização em ambientes estocásticos regidos por normas* – Decision Making and Enforcement in norm-regulated stochastic environments, Brazil.
- 2013 **Grant**, *CAPES – BRL 1,685,000.00*, *ACERTA: Avaliação de Crianças Em Risco de Transtorno de Aprendizagem* – Evaluation of Children under Risk of Learning Disorders, Brazil.
Co-Investigator
- 2013 **Grant**, *State Government – BRL 400,000.00*, *Manipulador Robótico para Processo de Pintura Aplicado ao Setor Naval e Petróleo* – Robotic Manipulator for Painting Processes applied to the Naval and Oil Industry, Brazil.
Co-Principal Investigator
- 2013 **Grant**, *CNPq – Universal - BRL 15,000.00*, *Raciocínio Normativo e Monitoramento em Ambientes Estocásticos* – Normative Reasoning and Monitoring in Stochastic Environments, Brazil.
Principal Investigator
- 2013 **Grant**, *PUCRS – PRAIAS - BRL 20,000.00*, *Modelos Preditores de Aprendizagem: Redes Bayesianas e Redes Neurais da Leitura em Crianças em Fase de Alfabetização* – Bayesian Network-based Predictor Models for Children Learning to Read, Brazil.
Co-Investigator
- 2013 **Industry Project**, *Samsung – BRL 1,200,000.00*, *Tecnologias Semânticas e Multiagentes para Interação em Equipes* – Semantic and Multiagent Technologies for Team Interaction, Brazil.
Co-Investigator

- 2012 **Grant**, *Fundação de Amparo a Pesquisa do Estado do Rio Grande do Sul – ARD - BRL 20,000.00, Raciocínio Autônomo em Agentes Guiados por Normas – Autonomous reasoning in norm-driven agents*, Brazil.
Principal Investigator
- 2012 **Fellowship**, (*Declined*) *Marie Curie Actions-IIF - EUR 209,033.40, Verification Approaches for Planning in Agent programming languages (VAPA)*, EU.
- 2011 **Grant**, *Google Core AI - USD 35,000.00, Plan Recognition and Mobile Navigation Application for GPS-Free Environments*, USA.
- 2009 **Scholarship**, *Travel scholarship to attend AAMAS '09*, International Foundation for Autonomous Agents and Multiagent Systems (IFAAMAS), USA.
- 2005-2009 **Scholarship**, *Fully funded PhD scholarship in the UK*, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES), Brazil.

Research Council Committee Membership

- 2017 **Project review committee**, *Israel Science Foundation (ISF)*, Israel.
- 2017 **Project review committee**, *United States – Israel Binational Science Foundation (BSF)*, Israel.
- 2013–current **Project review committee**, *Pontificia Universidade Catolica do Rio Grande do Sul (PUCRS)*, Brazil.
- 2014–current **Project review committee**, *Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq)*, Brazil.
- 2014–2014 **Project reviewer**, *Netherlands Organization for Scientific Research (NWO)*, Netherlands, Reviewed 1 project for the Innovational Research Incentives Scheme Vidi 2014.
- 2011–2011 **Project reviewer**, *National Science Foundation (NSF)*, United States, Reviewed 6 projects.

Event Organization

- 2017 **Co-Chair**, *COIN Workshop on Coordination, Organizations, Institutions and Norms*, São Paulo, Brazil.
- 2014 **Area Co-Chair**, *Ibero-American Conference on Artificial Intelligence (IBERAMIA)*, Santiago de Chile, Chile.
- 2010 **General and Program Chair**, *AAAI Fall Symposium on Proactive Assistant Agents*, Arlington, VA, USA.

Program Committee Membership

- 2017 **Program Committee**, *Twenty Fifth International Joint Conference on Artificial Intelligence (IJCAI)*, Melbourne, Australia.
- 2017 **Program Committee**, *Sixteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, São Paulo, Brazil.
- 2017 **Associate Editor**, *2017 IEEE Conference on Robotics and Automation (ICRA)*, Singapore.
- 2017 **Program Committee**, *Fourteenth AAAI Conference on Artificial Intelligence (AAAI)*, San Francisco, CA, USA.

- 2016 **Associate Editor**, *2016 IEEE Conference on Robotics and Automation (ICRA)*, Stockholm, Sweden.
- 2016 **Program Committee**, *Fifteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Singapore.
- 2016 **Program Committee**, *Thirtieth AAAI Conference on Artificial Intelligence (AAAI)*, Phoenix, AZ, USA.
- 2015 **Senior Program Committee**, *Fourteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Istanbul, Turkey.
- 2015 **Program Committee**, *Twenty Fourth International Joint Conference on Artificial Intelligence (IJCAI)*, Buenos Aires, Argentina.
- 2015 **Program Committee**, *Twenty Ninth AAAI Conference on Artificial Intelligence (AAAI)*, Austin, TX, USA.
- 2015 **Program Committee**, *Twelfth German Conference on Multiagent System Technologies (MATES)*, Stuttgart, Germany.
- 2015 **Program Committee**, *Thirteenth International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS)*, Salamanca, Spain.
- 2015 **Program Committee**, *Twelfth European Conference on Multi-agent Systems (EU-MAS)*, Prague, Czech Republic.
- 2014 **Program Committee**, *Thirteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Paris, France.
- 2014 **Program Committee**, *International Workshop on Coordination, Organisations, Institutions and Norms (COIN 2014)*, Paris, France.
- 2014 **Program Committee**, *Twelfth International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS)*, Salamanca, Spain.
- 2013 **Program Committee**, *Twenty Third International Joint Conference on Artificial Intelligence (IJCAI)*, Beijing, China.
- 2013 **Program Committee**, *Twelfth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Saint Paul, MN, USA.
- 2013 **Program Committee**, *Twenty Eight ACM Symposium On Applied Computing (SAC)*, Coimbra, Portugal.
- 2013 **Program Committee**, *Workshop on Engineering Multi-Agent Systems (EMAS)*, Saint Paul, MN, USA.
- 2012 **Program Committee**, *Eleventh International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Valencia, Spain.
- 2012 **Program Committee**, *The Fifteenth International Conference on Principles and Practice of Multi-Agent Systems (PRIMA)*, Kuching, Malaysia.
- 2012 **Program Committee**, *Workshop on Agent Based Computing: from Model to Implementation IX (ABC:MI)*, Wrocław, Poland.
- 2011 **Program Committee**, *Twenty Second International Joint Conference on Artificial Intelligence (IJCAI)*, Barcelona, Spain.
- 2011 **Program Committee**, *Tenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Taipei, Taiwan.
- 2011 **Program Committee**, *The Fourteenth International Conference on Principles and Practice of Multi-Agent Systems (PRIMA)*, Wollongong, Australia.

- 2011 **Program Committee**, *ILE Track of the 26th ACM Symposium On Applied Computing (SAC)*, Taichung, Taiwan.
- 2011 **Program Committee**, *Workshop on Agent Based Computing: from Model to Implementation VIII (ABC:MI)*, Szczecin, Poland.
- 2010 **Program Committee**, *The International Conference on Ambient Systems, Networks and Technologies*, Paris, France.
- 2010 **Program Committee**, *The Thirteenth International Conference on Principles and Practice of Multi-Agent Systems (PRIMA)*, Kolkata, India.
- 2010 **Program Committee**, *Second Conference on Computational Intelligence in Networks and Systems*, Thessaloniki, Greece.

Reviewing

- Reviewer**, *Kuenstliche Ingelligenz (KI)*, Springer.
- Reviewer**, *Group Decision and Negotiation (GRUP)*, Springer.
- Reviewer**, *Transactions on Autonomous and Adaptive Systems (TAAS)*, ACM.
- Reviewer**, *The Knowledge Engineering Review (KER)*, Cambridge.
- Reviewer**, *Theoretical Computer Science (TCS)*, Elsevier.
- Reviewer**, *Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS)*, Springer.
- Reviewer**, *Web Intelligence and Agent Systems: An International Journal (WIAS)*, IOS Press.
- 2015 **Reviewer**, *International Conference on Intelligent Robots and Systems (IROS)*, Hamburg, Germany.
- 2012 **Reviewer**, *International Conference on Intelligent Robots and Systems (IROS)*, Vilamoura, Portugal.
- 2011 **Reviewer**, *International Conference on Intelligent Robots and Systems (IROS)*, San Francisco, USA.
- 2010 **Reviewer**, *Ninth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Toronto, Canada.
- 2009 **Reviewer**, *Eight International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Budapest, Hungary.
- 2008 **Reviewer**, *Nineteenth Brazilian Symposium on Artificial Intelligence (SBIA)*, Salvador, Brazil.

Presentations

- 2016 **Invited Talk**, *A Bayesian Approach to Norm Identificaton.*, University of Aberdeen, Aberdeen, Scotland, UK.
- 2015 **Panel**, *How can we popularise Theoretical Computer Science*, Panel at the Brazilian Workshop-School on Theoretical Computer Science (WEIT) at the Federal University of Rio Grande do Sul (UFRGS), Porto Alegre, Brazil.
- 2014 **Colloquium**, *Programming Autonomous Behaviour: Abstractions and Techniques.*, Talks Series of the Department of Computer Science at the University of Brasilia, Brasilia, Brazil.

- 2011 **Colloquium**, *An approach to generate MDPs using HTN representations.*, Talks Series of the Verification of Autonomous Systems research group at Imperial College, London, UK.
- 2010 **Invited talk**, *Motivations and Goal-Directed Autonomy.*, 2010 AAAI Workshop on Goal-Directed Autonomy, Atlanta, GA, USA.
- 2008 **Colloquium**, *Creating and reusing plans in agent languages*, KCL Department of Computer Science Colloquia, London, UK.
- 2006 **Paper Presentation**, *Motivations and declarative goals as cornerstones of autonomy*, Student Session of the Eighth European Agent Systems Summer School, Annecy, France.
- 2004 **Invited Tutorial**, *Game Development Using Java*, RS Java Users Group, Porto Alegre, Brazil.

Publications

Patents

- 2015 **BR 10 2015 005579 0**, *Método Para Alocação de Tarefas em Cenários Dinâmicos*. BORDINI, Rafael H. **MENEGUZZI, Felipe R.** VIEIRA, Renata FREITAS, Artur KOSTER, Andrew
- 2014 **BR 10 2014 009861 5**, *Método Para Estimar o Tempo Esperado Para o Reconhecimento de Plano*. FAGUNDES, Moser S. BORDINI, Rafael H. **MENEGUZZI, Felipe R.** VIEIRA, Renata HILGERT, Lucas W.
- 2014 **BR 10 2014 004209 1**, *Método Para Inserir Código em Programa com Linguagem de Programação Lógica Utilizando Ontologias*. BORDINI, Rafael H. FAGUNDES, Moser S. HILGERT, Lucas W. **MENEGUZZI, Felipe R.** VIEIRA, Renata
- 2008 **US 2008 0201328 A1**, *Data Processing System and Method*, Grouping of elements in the Area Tree phase of XSL-FO rendering, <https://www.google.com/patents/US20080201328>. HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. [US/US] DA SILVA, Ana Cristina Benso [BR/BR] DE OLIVEIRA, João Batista Souza [BR/BR] **MENEGUZZI, Felipe Rech** [BR/BR] MEIRELLES, Leonardo Luceiro [BR/BR]
- 2005 **WO/2005/109230**, *Data Processing System and Method*, Optimization of XSL-FO generated documents. HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. [US/US] DA SILVA, Ana Cristina Benso [BR/BR] DE OLIVEIRA, João Batista Souza [BR/BR] **MENEGUZZI, Felipe Rech** [BR/BR] MEIRELLES, Leonardo Luceiro [BR/BR]
- 2005 **WO/2005/109231**, *Data Processing System and Method*, Grouping of elements in the Area Tree phase of XSL-FO rendering. HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. [US/US] DA SILVA, Ana Cristina Benso [BR/BR] DE OLIVEIRA, João Batista Souza [BR/BR] **MENEGUZZI, Felipe Rech** [BR/BR] MEIRELLES, Leonardo Luceiro [BR/BR]

Journal Papers

- 2015 Rafael C. Cardoso, Ramon Fraga Pereira, Guilherme Krzisch, Maurício C. Magnaguagno, Túlio Baségio, and **Felipe Meneguzzi**. Team PUCRS: a Decentralised Multi-Agent Solution for the Agents in the City Scenario. *International Journal of Agent-Oriented Software Engineering* to appear, 2017.
- 2015 Giovani P. Farias, Ramon Fraga Pereira, Lucas W. Hilgert, **Felipe Meneguzzi**, Renata Vieira, and Rafael H. Bordini. Predicting Plan Failure by Monitoring Action Sequences and Duration. *Advances in Distributed Computing and Artificial Intelligence Journal* to appear, 2017.

- 2016 R. Cameron Craddock, Daniel S. Margulies, Pierre Bellec, B. Nolan Nichols, Sarael Alcauter, Fernando A. Barrios, Yves Burnod, Christopher J. Cannistraci, Julien Cohen-Adad, Benjamin De Leener, Sebastien Dery, Jonathan Downar, Katharine Dunlop, Alexandre R. Franco, Caroline Seligman Froehlich, Andrew J. Gerber, Satrajit S. Ghosh, Thomas J. Grabowski, Sean Hill, Aniba Sólón Heinsfeld, R. Matthew Hutchison, Prantik Kundu, Angela R. Laird, Sook-Lei Liew, Daniel J. Lurie, Donald G. McLaren, **Felipe Meneguzzi**, Maarten Mennes, Salma Mesmoudi, David O'Connor, Erick H. Pasaye, Scott Peltier, Jean-Baptiste Poline, Gautam Prasad, Ramon Fraga Pereira, Pierre-Olivier Quirion, Ariel Rokem, Ziad S. Saad, Yonggang Shi, Stephen C. Strother, Roberto Toro, Lucina Q. Uddin, John D. Van Horn, John W. Van Meter, Robert C. Welsh, Ting Xu. Brainhack: a collaborative workshop for the open neuroscience community. In *GigaScience* 5(1):1–8, 2016.
- 2015 **Felipe Meneguzzi**, Odinaldo Rodrigues, Wamberto Vasconcelos, Nir Oren, and Michael Luck. BDI reasoning with normative considerations. *Engineering Applications of Artificial Intelligence* 43:127–146, 2015. Highly Significant
- 2015 Sanjay Modgil, Nir Oren, Nora Faci, **Felipe Meneguzzi**, Simon Miles and Michael Luck. E-contracts; Norms; Monitoring; Multiagent systems. *Artificial Intelligence and Law* 1:1–36, 2015.
- 2015 **Felipe Meneguzzi** and Lavindra de Silva. Planning in BDI Agents: A survey of the integration of planning algorithms and agent reasoning. *The Knowledge Engineering Review* 30(1):1–44, 2015. Highly Significant
- 2013 **Felipe Meneguzzi** and Michael Luck. Declarative planning in procedural agent architectures. *Expert Systems with Applications* 40(16):6508–6520, November 2013.
- 2013 Jean Oh, **Felipe Meneguzzi**, Katia Sycara and Timothy J. Norman. Prognostic Normative Reasoning. *Engineering Applications of Artificial Intelligence* 26(2):863–872, February 2013. Highly Significant
- 2012 **Felipe Meneguzzi**, Sanjay Modgil, Nir Oren, Simon Miles, Michael Luck, Nora Faci, Camden Holt and Malcolm Smith. An application of electronic contracting in an aerospace aftercare domain. *Engineering Applications of Artificial Intelligence*, 25(7):1471–1487, October 2012.
- 2011 Roger Azevedo, Gautam Biswas, Dan Bohus, Ted Carmichael, Mark Finlayson, Mirsad Hadzikadic, Catherine Havasi, Eric Horvitz, Takayuki Kanda, Oluwasanmi Koyejo, William Lawless, Doug Lenat, **Felipe Meneguzzi**, Bilge Mutlu, Jean Oh, Roberto Pirrone, Antoine Raux, Donald Sofge, Gita Sukthankar, Benjamin Van Durme. Reports of the AAAI 2010 Fall Symposia. *AI Magazine*, 32(1):93–100, 2011.
- 2007 **Felipe Meneguzzi**, Avelino Francisco Zorzo, Michael da Costa Móra, and Michael Luck. Incorporating planning into BDI agents. *Scalable Computing: Practice and Experience*, 8(1):15–28, 2007.

Proceedings and Technical Reports

Fernando Koch, **Felipe Meneguzzi** and Kiran Lakkaraju. Agent Technology for Intelligent Mobile Services and Smart Societies: Workshop on Collaborative Agents, Research and Development, CARE 2014, and Workshop on Agents, Virtual Societies and Analytics, AVSA 2014, published by Springer Press, ISBN 978-3-662-46240-9, 2015.

Stephen Cranefield, **Felipe Meneguzzi**, Nir Oren, and Tony Savarimuthu. A Bayesian approach to norm identification, tech. report University of Otago, online at <http://hdl.handle.net/10523/5476>, 2015

Felipe Meneguzzi, Balajee Kannan, Katia Sycara, Chet Gnegy, Evan Donald Glasgow, and Piotr Yordanov. Proactive Indoor Navigation on Mobile Devices, tech. report CMU-RI-TR-11-37, Robotics Institute, Carnegie Mellon University, December, 2011

Felipe Meneguzzi and Jean Oh. Proactive Assistant Agents: Papers from the AAAI Fall Symposium, published by AAAI Press, ISBN 978-1-57735-489-5, 2010.

Book Chapters

Lavindra de Silva, **Felipe Meneguzzi**, David Sanderson, Jack C. Chaplin, Otto J. Bakker, Nikolas Antzoulatos and Svetan Ratchev. Interfacing Belief-Desire-Intention Agent Systems with Geometric Reasoning for Robotics and Manufacturing, in *Service Orientation in Holonic and Multi-Agent Manufacturing, 1st Edition*, Ed. Theodor Borangiu, Damien Trentesaux, André Thomas, Duncan McFarlane, published by Springer, 179-188, 2016.

Michael Luck, Samhar Mahmoud, **Felipe Meneguzzi**, Martin Kollingbaum, Timothy J. Norman, Natalia Criado, Moser Silva Fagundes. Normative Agents, in *Agreement Technologies, Law, Governance and Technology Series Volume 8*, published by Springer, 209–220, 2013.

Jean Oh, **Felipe Meneguzzi**, Katia Sycara. Chapter 11: Probabilistic Plan Recognition for Proactive Assistant Agents, in *Plan, Activity, and Intent Recognition: Theory and Practice, 1st Edition*, Ed. Gita Sukthankar, Robert P. Goldman, Christopher Geib, David V. Pynadath, Hung and Hai Bui, published by Elsevier, 275-288, 2014.

Michael Luck, Samhar Mahmoud, **Felipe Meneguzzi**, Martin Kollingbaum, Timothy J. Norman, Natalia Criado, Moser Silva Fagundes. Normative Agents, in *Agreement Technologies, Law, Governance and Technology Series Volume 8*, published by Springer, 209–220, 2013.

Simon Miles, Nir Oren, Michael Luck, Sanjay Modgil, **Felipe Meneguzzi**, Nora Faci, Camden Holt and Gary Vickers. Electronic Business Contracts between Services, in *Handbook of Research on P2P and Grid Systems for Service-Oriented Computing: Models, Methodologies and Applications*, published by IGI Global, Chapter 31, 732–746, 2010.

Invited Papers

Felipe Meneguzzi. Motivations and Goal-Directed Autonomy. in *AAAI-10 Workshop on Goal-Directed Autonomy*, 2010.

Refereed Conference Papers

Ramon F. Pereira, Nir Oren and **Felipe Meneguzzi**. Landmark-Based Heuristics for Goal Recognition. In *the 31st AAAI Conference on Artificial Intelligence (AAAI)*, 2017

Highly
Significant

Juarez Monteiro, João Paulo Aires, Roger Granada, Rodrigo Barros and **Felipe Meneguzzi**. Virtual Guide Dog: An Application to Support Visually-Impaired People through Deep Convolutional Neural Networks. In *the 30th International Joint Conference on Neural Networks (IJCNN)*, 2017

- Juarez Monteiro, Roger Granada, Rodrigo Barros and **Felipe Meneguzzi**. Deep Neural Networks for Kitchen Activity Recognition. In *the 30th International Joint Conference on Neural Networks (IJCNN)*, 2017
- Roger Leitzke Granada, Juarez Monteiro, Rodrigo Coelho Barros and **Felipe Meneguzzi**. A Deep Neural Architecture for Kitchen Activity Recognition. In *the 30th International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, 2017
- Stephen Cranefield, **Felipe Meneguzzi**, Nir Oren and Bastin Tony Roy Savarimuthu. A Bayesian approach to norm identification. In *the 22nd European Conference on Artificial Intelligence (ECAI)*, 2016
- Mauricio C. Magnaguagno, Ramon F. Pereira and **Felipe Meneguzzi**. DOVETAIL - An abstraction for Classical Planning using a Visual Metaphor. In *the 29th International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, 2016
- Daniela Schmidt, Alisson Panisson, Artur Freitas, Rafael Bordini, **Felipe Meneguzzi** and Renata Vieira. An Ontology-based Mobile Application for Task Managing in Collaborative Groups. In *the 29th International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, 2016
- Giovani Farias, Lucas Hilgert, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. Automatic Generation of Plan Libraries for Plan Recognition Performance Evaluation. In *the 2015 IEEE/WIC/ACM International Joint Conferences on Web Intelligence (WI) and Intelligent Agent Technologies (IAT)*, 2015
- Márcio Moraes, **Felipe Meneguzzi**, Rafael Bordini and Alexandre Amory. Distributed Fault Diagnosis for Multiple Mobile Robots Using an Agent Programming Language. In *the 17th International Conference on Advanced Robotics (ICAR)*, 2015
- Artur Freitas, Alison Panisson, Lucas Hilgert, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. A Multi-Agent Systems Engineering Tool based on Ontologies. In *the 34th International Conference on Conceptual Modeling*, 2015
- Artur Freitas, Alison Panisson, Lucas Hilgert, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. Integrating Ontologies with Multi-Agent Systems through CArAgO Artifacts. In *the 2015 IEEE/WIC/ACM International Joint Conferences on Web Intelligence (WI) and Intelligent Agent Technologies (IAT)*, 2015
- Giovani Farias, Lucas Hilgert, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. Automatic Generation of Plan Libraries for Plan Recognition Performance Evaluation. In *the 2015 IEEE/WIC/ACM International Joint Conferences on Web Intelligence (WI) and Intelligent Agent Technologies (IAT)*, 2015
- Alison Panisson, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. Towards Practical Argumentation-Based Dialogues in Multi-Agent Systems. In *the 2015 IEEE/WIC/ACM International Joint Conferences on Web Intelligence (WI) and Intelligent Agent Technologies (IAT)*, 2015
- Moser Fagundes, **Felipe Meneguzzi**, Rafael Bordini and Renata Vieira. Dealing with ambiguity in plan recognition under time constraints. In *Proceedings of the Thirteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 389–396, 2014

Caroline Froehlich, **Felipe Meneguzzi**, Alexandro R. Franco and Augusto Buchweitz. Classifying Brain States for Cognitive Tasks: a Functional MRI Study in Children with Reading Impairments. In *Proceedings of the 24th Brazilian Congress on Biomedical Engineering (CBEB)*, 2476–2479, 2014

Moser Fagundes, Sascha Ossowski and **Felipe Meneguzzi**. Imperfect norm enforcement in stochastic environments: an analysis of efficiency and cost tradeoffs. In *Proceedings of the 14th Ibero-American Conference on Artificial Intelligence (IBERAMIA)*, 523–535, 2014

Rodrigo Martins and **Felipe Meneguzzi**. A Smart Home Model Using JaCaMo Framework. In *12th International Conference on Industrial Informatics (INDIN)*, 94–99, 2014

Felipe Meneguzzi, Pankaj Telang and Munindar Singh. A First-Order Formalization of Commitments and Goals. In *Proceedings of the Twenty-Seventh AAAI Conference on Artificial Intelligence*, 697–703, 2013

Highly
Significant

Pankaj Telang, **Felipe Meneguzzi** and Munindar Singh. Hierarchical Planning about Goals and Commitments. In *Proceedings of the Twelfth International Conference on Autonomous Agents and Multiagent Systems*, 877–884, 2013

Balajee Kannan, **Felipe Meneguzzi**, M. Bernardine Dias, Katia Sycara, Chet Gnegy, Evan Glasgow and Piotr Yordanov. Predictive Indoor Navigation using Commercial Smart-phones. In *Proceedings of the Twenty Eight ACM Symposium On Applied Computing*, 519–525, 2013

Murat Sensoy, Jeff Z. Pan, Achille Fokoue, Mudhakar Srivatsa and **Felipe Meneguzzi**. Using Subjective Logic to Handle Uncertainty and Conflicts. In *The 2012 International Symposium on Advances in Trusted and Secure Information Systems*, 1323–1326, 2012

Murat Sensoy, Jeff Z. Pan, Achille Fokoue, Mudhakar Srivatsa and **Felipe Meneguzzi**. Using Subjective Logic to Handle Uncertainty and Conflicts. In *The 2012 International Symposium on Advances in Trusted and Secure Information Systems*, 1323–1326, 2012

Achille Fokoue, **Felipe Meneguzzi**, Murat Sensoy and Jeff Z. Pan. Querying Linked Ontological Data through Distributed Summarization. In *Proceedings of the Twenty-Sixth AAAI Conference on Artificial Intelligence*, 31–37, 2012

Jean Oh, **Felipe Meneguzzi**, Katia Sycara and Timothy J. Norman. An agent architecture for prognostic reasoning assistance. In *Proceedings of the Twenty Second International Joint Conference on Artificial Intelligence*, 2513–2518, 2011

Felipe Meneguzzi, Jean Oh, Nilanjan Chakraborty, Katia Sycara, Siddharth Mehrotra and Michael Lewis. Anytime Cognition: An information agent for emergency response. In *Proceedings of the Fifth Annual Conference of the International Technology Alliance*, 2011

Jean Oh, **Felipe Meneguzzi** and Katia Sycara. Probabilistic Plan Recognition for Intelligent Information Agents: Towards proactive software assistant agents. In *Proceedings of the Third International Conference on Agents and Artificial Intelligence*, 281–287, 2011

Jean Oh, **Felipe Meneguzzi**, Katia Sycara, Timothy J. Norman and Cheryl Gianmanco. An agent architecture for intelligent information assistance. In *Proceedings of the Fourth Annual Conference of the International Technology Alliance*, 2010

Felipe Meneguzzi, Yuqing Tang, Katia Sycara, and Simon Parsons. On representing planning domains under uncertainty. In *Proceedings of the Fourth Annual Conference of the International Technology Alliance*, 2010

Felipe Meneguzzi, Nir Oren, and Wamberto Vasconcelos. Using constraints for Norm-aware BDI Agents. In *Proceedings of the Fourth Annual Conference of the International Technology Alliance*, 2010

Felipe Meneguzzi, Jean Oh, Katia Sycara, Simon Parsons and Timothy J. Norman. Challenges in anticipatory information management under network constraints. In *Proceedings of the Fourth Annual Conference of the International Technology Alliance*, 2010

Felipe Meneguzzi, Jean Oh and Katia Sycara. Intelligent information assistance for coalition operations. In *Knowledge Systems for Coalition Operations*, 2010.

Felipe Meneguzzi, Sanjay Modgil, Nir Oren, Simon Miles, Michael Luck, Nora Faci, Camden Holt and Malcolm Smith. Monitoring and Explanation of Contract Execution: A Case Study in the Aerospace Domain. In *Proceedings of the Eighth International Conference on Autonomous Agents and Multiagent Systems – Industrial Track*, pages 77–84, 2009.

Felipe Meneguzzi and Michael Luck. Norm-based behaviour modification in BDI agents. In *Proceedings of the Eighth International Conference on Autonomous Agents and Multiagent Systems*, pages 177–184, 2009.

Sanjay Modgil, Noura Faci, **Felipe Meneguzzi**, Nir Oren, Simon Miles and Michael Luck. A Framework for Monitoring Agent-Based Normative Systems. In *Proceedings of the Eighth International Conference on Autonomous Agents and Multiagent Systems*, pages 153–160, 2009.

Felipe Meneguzzi, Simon Miles, Camden Holt, Michael Luck, Nir Oren, Nora Faci, and Martin Kollingbaum. Electronic contracting in aircraft aftercare: A case study. In *Proceedings of the Seventh International Conference on Autonomous Agents and Multiagent Systems – Industrial Track*, pages 63–70, 2008.

Felipe Meneguzzi and Michael Luck. Motivations as an abstraction of meta-level reasoning. In Hans-Dieter Burkhard, Gabriela Lindemann, Rineke Verbrugge, and László Varga, editors, *Proceedings of the Fifth International Central and Eastern European Conference on Multi-Agent Systems*, volume 4696 of *Lecture Notes in Artificial Intelligence*, pages 204–214. Springer, 2007.

Ana Cristina B. da Silva, Joao B. S. de Oliveira, Fernando T. M. Mano, Thiago B. Silva, Leonardo L. Meirelles, **Felipe R. Meneguzzi**, and Fabio Giannetti. Support for arbitrary regions in XSL-FO. In *Proceedings of the 2005 ACM Symposium on Document Engineering*, pages 64–73. ACM Press, 2005.

Avelino Francisco Zorzo and **Felipe Rech Meneguzzi**. An agent model for fault-tolerant systems. In *Proceedings of the 2005 ACM Symposium on Applied Computing*, pages 60–65. ACM Press, 2005.

Felipe Rech Meneguzzi, Leonardo Luceiro Meirelles, Fernando Tarlá Martins Mano, Ana Cristina Benso da Silva, and João Batista de Souza Oliveira. Strategies for document optimization in digital publishing. In *Proceedings of the 2004 ACM Symposium on Document Engineering*, pages 163–170. ACM Press, 2004.

Felipe Rech Meneguzzi, Avelino Francisco Zorzo and Michael da Costa Móra. Propositional Planning in BDI Agents. In *Proceedings of the 2004 ACM Symposium on Applied Computing*, pages 58–63. ACM Press, 2004.

Refereed Workshop Papers

Ramon Fraga Pereira, Nir Oren and Felipe Meneguzzi. A Plan Optimality Monitoring Approach to Detect Commitment Abandonment. In *The 2017 International Workshop on Coordination, Organisations, Institutions and Norms (COIN@AAMAS)*, 2017

João Paulo Aires and Felipe Meneguzzi. Norm Conflict Identification using Deep Learning. In *The 2017 International Workshop on Coordination, Organisations, Institutions and Norms (COIN@AAMAS)*, 2017

Guilherme Krzisch and Felipe Meneguzzi. Planning in a Normative System. In *The 2017 International Workshop on Coordination, Organisations, Institutions and Norms (COIN@AAMAS)*, 2017

Guilherme Krzisch and Felipe Meneguzzi. Norm Identification in Jason using a Bayesian Approach. In *The 18th Workshop on Multi-agent-based Simulation (MABS@AAMAS)*, 2017

Leonardo Rosa Amado and Felipe Meneguzzi. Reinforcement learning applied to RTS games. In *2017 Workshop on Adaptive Learning Agents (ALA@AAMAS)*, 2017

Leticia Machado, **Felipe Meneguzzi**, Rafael Prikładnicki, Cleidson de Souza and Eran Carmel. Task Allocation for Crowdsourcing using AI Planning. In *3rd International Workshop on CrowdSourcing in Software Engineering (CSI-SE)*, 2016

Alison Panisson, Artur Freitas, Daniela Schmidt, Lucas Hilgert, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. Arguing About Task Reallocation Using Ontological Information in Multi-Agent Systems. In *12th International Workshop on Argumentation in Multiagent Systems*, 2015

Lavindra de Silva and **Felipe Meneguzzi**. On the Design of Symbolic-Geometric Online Planning Systems. In *Workshop on Hybrid Reasoning (HR 2015) @ IJCAI 2015*, 2015

João Paulo Aires, Vera Lúcia Strube de Lima and **Felipe Meneguzzi**. Identifying Potential Conflicts between Norms in Contracts. In *18th International Workshop on Coordination, Organizations, Institutions, and Norms*, 2015

Jiaqi Li, **Felipe Meneguzzi**, Moser Fagundes and Brian Logan. Reinforcement Learning of Normative Monitoring Intensities. In *18th International Workshop on Coordination, Organizations, Institutions, and Norms*, 2015

Stephan Chang and **Felipe Meneguzzi**. Simulating Normative Behaviour in Multi-Agent Environments using Monitoring Artefacts. In *17th International Workshop on Coordination, Organizations, Institutions, and Norms*, 2015

Wagdi Alrawagfeh and **Felipe Meneguzzi**. Utilizing Permission Norms in BDI Practical Normative Reasoning. In *16th International Workshop on Coordination, Organizations, Institutions, and Norms*, 2014

Alison Panisson, Giovani Farias, Artur Freitas, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. Planning Interactions for Agents in Argumentation-Based Negotiation. In *11th International Workshop on Argumentation in Multiagent Systems*, 2014

- Alison Panisson, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. An Approach for Argumentation-based Reasoning Using Defeasible Logic in Multi-Agent Programming Languages. In *11th International Workshop on Argumentation in Multiagent Systems*, 2014
- Artur Freitas, Daniela Schmidt, Alison Panisson, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. Semantic Representations of Agent Plans and Planning Problem Domains. In *AAMAS Workshop on Engineering Multiagent Systems*, 2014
- Artur Freitas, Daniela Schmidt, Alison Panisson, **Felipe Meneguzzi**, Renata Vieira and Rafael Bordini. Integrating Multi-Agent Systems in JaCaMo using a Semantic Representations. In *5th International Workshop on Collaborative Agents – Research & Development (CARE 2014)*, 2014
- Nir Oren and **Felipe Meneguzzi**. Norm Identification through Plan Recognition. In *15th International Workshop on Coordination, Organizations, Institutions, and Norms*, 2013
- Rodrigo Martins and **Felipe Meneguzzi**. A Smart Home model to Demand Side Management. In *AAMAS Workshop on Collaborative Online Organizations*, 2013
- Bernardo Luz, **Felipe Meneguzzi** and Rosa Viccari. Alternatives to Threshold-Based Desire Selection in Bayesian BDI Agents. In *AAMAS Workshop on Engineering Multiagent Systems*, 2013
- Felipe Meneguzzi**, Yuqing Tang, Katia Sycara, and Simon Parsons. An approach to generate MDPs using HTN representations. In *IJCAI Workshop Decision Making in Partially Observable, Uncertain Worlds: Exploring Insights from Multiple Communities*, 2011
- Yuqing Tang, **Felipe Meneguzzi**, Simon Parsons and Katia Sycara. Planning over MDPs through HTNs. In *AAAI Workshop on Generalized Planning*, 2011
- Nir Oren, Wamberto Vasconcelos, **Felipe Meneguzzi** and Michael Luck. Acting on Norm Constrained Plans. In *Computational Logic in Multi-Agent Systems (CLIMA XII)*, 347-363, 2011
- Jean Oh, **Felipe Meneguzzi**, Katia Sycara and Timothy J. Norman. Prognostic agent assistance for norm-compliant coalition planning. In *Second International Workshop on Infrastructures and Tools for Multiagent Systems*, 120-134, 2011
- Felipe Meneguzzi**, Simon Miles, Michael Luck, Sanjay Modgil, Nir Oren, Camden Holt and Malcolm Smith. A contract-based system for aerospace aftercare. In Jesus E. Gabaldon and Javier Vazquez-Salceda, editors, *Proceedings of the Workshop on Technological trends in Enterprise Systems for SMEs and large enterprises: Heading towards the Future Internet*, 2009.
- Felipe Meneguzzi** and Michael Luck. Interaction among agents that plan. In Bernhard Jung, Fabien Michel, Alessandro Ricci, and Paolo Petta, editors, *Proceedings of the Sixth International Workshop: From Agent Theory to Agent Implementation*, pages 133–140, 2008.
- Felipe Meneguzzi**. Extending agent languages for autonomy. In *Proceedings of the Sixth International Joint Conference on Autonomous Agents and Multiagent Systems: Mentoring Program*, pages 1744–1745, 2008.
- Felipe Meneguzzi** and Michael Luck. Leveraging new plans in AgentSpeak(PL). In Matteo Baldoni, Tran Cao Son, M. Birna van Riemsdijk, and Michael Winikoff, editors, *Proceedings of the Sixth Workshop on Declarative Agent Languages*, pages 63–78, 2008.

Noura Faci, Sanjay Modgil, Nir Oren, **Felipe Meneguzzi**, Simon Miles, and Michael Luck. Towards a monitoring framework for agent-based contract systems. In Matthias Klusch, Michal Pechoucek, and Axel Polleres, editors, *Proceedings of the Twelfth International Workshop on Cooperative Information Agents*, 2008.

Felipe Meneguzzi and Michael Luck. Composing high-level plans for declarative agent programming. In Matteo Baldoni, Tran Cao Son, M. Birna van Riemsdijk, and Michael Winikoff, editors, *Proceedings of the Fifth Workshop on Declarative Agent Languages and Technologies*, volume 4897 of *Lecture Notes in Computer Science*, pages 69–85. Springer, 2007.

Felipe Meneguzzi. Motivations and declarative goals as cornerstones of autonomy. In *Student Session of the Eighth European Agent Systems Summer School*, 2006.

Felipe Rech Meneguzzi, Paulo Henrique de Souza Schneider, Thais Christina Webber dos Santos, and Michael da Costa Móra. Ice: An agent-based kernel for games. In *Proceedings of the Third Brazilian Symposium on Games and Digital Entertainment*, 2004.

Felipe Rech Meneguzzi. Modelling fault-tolerant systems using BDI agents. In Francisco Brasileiro and Avelino Francisco Zorzo, editors, *Proceedings of the Second Workshop on Theses and Dissertations on Dependable Computing*, pages 19–24, São Paulo, Brazil, 2003. EPUSP.

Andrei Oliveira da Silva, **Felipe Rech Meneguzzi**, Paulo Henrique de Souza Schneider, Rodrigo Borges Barcelos, Vicente Oberto Rodrigues, Daniel Waldman and Ana Cristina Benso da Silva. Providing Printing Web Services. In *Proceedings of the 5th International Workshop on Networked Appliances*, pages 17–21, Liverpool, UK, 2002. IEEE.

Refereed Conference Posters/ Extended Abstracts

Ramon F. Pereira, Nir Oren and **Felipe Meneguzzi**. Detecting Commitment Abandonment by Monitoring Plan Execution. In *the 15th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2017

João Paulo Aires and **Felipe Meneguzzi**. A Deep Learning Approach for Norm Conflict Identification. In *the 15th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2017

Stephan Chang and **Felipe Meneguzzi**. Forecasting demand with limited information using Gradient Tree Boosting. In *the 30th International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, 2017

Leonardo Amado and **Felipe Meneguzzi**. Q-Table compression for reinforcement learning. In *the 30th International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, 2017

Ramon F. Pereira and **Felipe Meneguzzi**. Landmark-based Plan Recognition. In *the 22nd European Conference on Artificial Intelligence (ECAI)*, 2016

Felipe Meneguzzi, Pankaj R. Telang and Neil Yorke-Smith. Towards Planning Uncertain Commitment Protocols. In *Proceedings of the Thirteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 1681–1682, 2015

- Stephen Cranefield, **Felipe Meneguzzi**, Nir Oren and Tony Savarimuthu. A Bayesian Approach to Norm Identification. In *Proceedings of the Thirteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 1743–1744, 2015
- Caroline Froehlich, **Felipe Meneguzzi**, Alexandro R. Franco, Luiz Dresch and Augusto Buchweitz. Identifying the neural representation of word reading in children diagnosed with dyslexia. In *Meeting of the Organization for Human Brain Mapping (OHBM)*, 2015
- Alisson Panisson, **Felipe Meneguzzi**, Moser Fagundes, Renata Vieira, Rafael Bordini. Formal semantics of speech acts for argumentative dialogues. In *Proceedings of the Thirteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 1437–1438, 2014
- Felipe Meneguzzi**, Brian Logan and Moser Fagundes. Norm monitoring with asymmetric information. In *Proceedings of the Thirteenth International Conference on Autonomous Agents and Multiagent Systems*, 1523–1524, 2014
- Moser Fagundes, Sascha Ossowski and **Felipe Meneguzzi**. Analyzing the tradeoff between efficiency and cost of norm enforcement in stochastic environments. In *Proceedings of the Twenty First European Conference on Artificial Intelligence*, 1003–1004, 2014
- Felipe Meneguzzi**, Jean Oh, Nilanjan Chakraborty, Katia Sycara, Siddharth Mehrotra, James Tittle and Michael Lewis. A cognitive architecture for emergency response. In *Proceedings of the Eleventh International Conference on Autonomous Agents and Multiagent Systems*, 1161–1162, 2012
- Yuqing Tang, **Felipe Meneguzzi**, Simon Parsons and Katia Sycara. Probabilistic Hierarchical Planning over MDPs. In *Proceedings of the Tenth International Conference on Autonomous Agents and Multiagent Systems*, pages 1143–1144, 2011
- Jean Oh, **Felipe Meneguzzi**, Katia Sycara and Timothy J. Norman. Prognostic normative reasoning in coalition planning. In *Proceedings of the Tenth International Conference on Autonomous Agents and Multiagent Systems*, pages 1233–123, 2011
- Felipe Meneguzzi**, Katia Sycara, Jeff Pan, Murat Sensoy, Nir Oren, Timothy J Norman, Mani B. Srivastava and Achille Fokoue. An experimental domain for data-to-decision. In *Proceedings of the Fifth Annual Conference of the International Technology Alliance*, 2011
- Murat Sensoy, Chatschik Bisdikian, Chris Burnett, Nir Oren, Mani B. Srivastava, Timothy J Norman, Achille Fokoue, **Felipe Meneguzzi**, Katia Sycara and Lance Kaplan. In *Proceedings of the Fifth Annual Conference of the International Technology Alliance*, 2011
- Jean Oh, **Felipe Meneguzzi** and Katia Sycara. ANTIPA: an agent architecture for intelligent information assistance. In *Proceedings of the Nineteenth European Conference on Artificial Intelligence*, 1055–1056, 2010
- Ana Cristina B. da Silva, Joao B. S. de Oliveira, Fernando T. M. Mano, Thiago B. Silva, Leonardo L. Meirelles, **Felipe R. Meneguzzi**, and Fabio Giannetti. Support for arbitrary regions in XSL-FO: a proposal for extending XSL-FO semantics and processing model. In *Special interest tracks and posters of the 14th international conference on World Wide Web*, pages 1066–1067, New York, NY, USA, 2005. ACM.

Felipe R. Meneguzzi, Avelino F. Zorzo, and Michael C. Mora. Mapping mental states into propositional planning. In *Proceedings of the Third International Joint Conference on Autonomous Agents and Multiagent Systems*, pages 1514–1515, 2004.

Referees

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