

# Felipe Meneguzzi

## Professor of Computing Science

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Github: <https://github.com/meneguzzi>

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### 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

### Employment

#### Academia

- 2022-current **Chair in Computing Science**, *University of Aberdeen*, Aberdeen, Scotland  
Research and student supervision; Lecturing graduate and undergraduate courses.
- 2012-2021 **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 (2015-2017)  
Served as a member of the Coordinating Committee of the Grad. Program in CS (2018-2021)
- 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**, *Pontificia Universidade Catolica 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 T<sub>E</sub>X-like XML language) typesetter that lays out text on multiple arbitrarily shaped areas spanning multiple pages.
- 2000–2003 **Research Assistant**, *Pontificia Universidade Catolica 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**
- 2020–2023 **Advisor**, *CogniApp Ltd.*, Florianópolis, SC, Brazil  
Machine Learning and AI advisor for mental health App.
- 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**
- 2022-2024 **Councillor**, *Executive Council*, Association for the Advancement of Artificial Intelligence (AAAI), This is an elected position whose responsibilities include managing the activities of AAAI
- 2021-2025 **Board Member**, *Special Committee on Artificial Intelligence*, Brazilian Computer Society (SBC), This is an elected position whose responsibilities include: i) organising the BRACIS conference; ii) advise the Brazilian Computer Society on AI Policy
- 2018 **Member of the Coordinating Committee**, *Graduate Program in Computer Science*, PUCRS, This is an elected position whose responsibilities include: i) revising the graduate program procedures manual; ii) organise the admission process and ultimately decide which candidates should be admitted to the program; iii) decide on matters not explicitly covered by the program procedure manual
- 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.
- 2015-2017 **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

- 2021-2022 **Postdoctoral Mentoring**, *Leonardo Rosa Amado*, PUCRS, SAP sponsored project
- 2018-2020 **Postdoctoral Mentoring**, *Roger Leitzke Granada*, PUCRS, FAPERGS State Government Project
- 2013-2014 **Postdoctoral Mentoring**, *Moser Fagundes*, PUCRS, Samsung sponsored project
- 2022-current **PhD. Advising**, *Stewart Anderson*, University of Aberdeen, Goal and Plan Recognition for Multiple Agents  
Full scholarship
- 2021-current **PhD. Advising**, *Douglas Antunes Tesch*, PUCRS, Goal Recognition in Robotic 2D Paths Using a Model-Based Estimation  
Full government scholarship (CAPES)
- 2020-current **PhD. Advising**, *Alexandre Ichida*, PUCRS, Natural Language Inference for BDI Agents  
Part-time PhD Student
- 2019-2023 **PhD. Co-Advising**, *Laura Tomaz da Silva*, PUCRS, Visual Explanations for Machine Learning Models in Neuromaging  
Google Award scholarship
- 2018-2023 **PhD. Co-Advising**, *Juarez Monteiro dos Santos Junior*, PUCRS, Self-Supervised Imitation Learning  
Full government scholarship (CAPES)
- 2017-2021 **PhD. Advising**, *Leonardo Rosa Amado*, PUCRS, Learning how to act in a normative environment through observation  
Full government scholarship
- 2016-2020 **PhD. Advising**, *Ramon Fraga Pereira*, PUCRS, Multi-agent keyhole plan recognition in incomplete domain models  
Full government scholarship (CAPES)
- 2016-2020 **PhD. Advising**, *Maurício Cecílio Magnaguagno*, PUCRS, Symbolic-geometric planning  
Full government scholarship (CAPES)
- 2015-2019 **PhD. Advising**, *João Paulo de Souza Aires*, PUCRS, Detecting Violations from Cloud and Mobile Data  
Full government scholarship (CAPES)
- 2013-2017 **PhD. Advising**, *Giovani Parente Farias*, PUCRS, Plan Recognition and Failure Prediction for Ambient Assisted Living  
Full government scholarship
- 2012-2015 **PhD. Advising (Thesis Committee)**, *Wagdi Alrawagfeh*, Memorial University of Newfoundland  
Advised the student on norm-driven reasoning
- 2023-current **MSc. Co-Advising**, *Victor Putrich*, UFRGS, HTN Planning Heuristics  
w/ André Grahl Pereira—Full government scholarship (CNPq)
- 2023-current **MSc. Co-Advising**, *João Elger*, UFRGS, Planning Heuristics  
w/ André Grahl Pereira—Full government scholarship (CNPq)

- 2022-2024 **MSc. Co-Advising**, *Larissa Caneppele Guder*, PUCRS, Dimensional Speech Emotion Recognition From Bimodal Features  
w/ Dalvan Griebler—Full-time MSc Student sponsored by SAP
- 2023-2023 **MSc. Advising**, *John McKenzie*, University of Aberdeen, Playing the Game of Hive: an Imitation Learning Approach  
Scottish government funded
- 2022-2023 **MEng. Advising**, *Cael Milne*, University of Aberdeen, Adaption, Implementation, and Evaluation of Search Strategies in a HTN Planner  
Scottish government funded
- 2021-2023 **MSc. Advising**, *Kin Max Piamolini Gusmão*, PUCRS, Goal Recognition for Multi-Agent Teams  
Partial government scholarship (CNPq)
- 2020-2022 **MSc. Advising**, *Katherine Bianchini Esper*, PUCRS, Automated planning for fMRI paradigm design  
Full-time MSc Student sponsored by POATEk
- 2019-2021 **MSc. Advising**, *Matheus Zampieri Marcon*, PUCRS, Graph Convolutional Networks for Conectome Data  
Full government scholarship (CNPq)
- 2018-2020 **MSc. Advising**, *Gabriel Paludo Licks*, PUCRS, Reinforcement Learning for Very Large Database Indexing  
Full-time MSc Student sponsored by SAP
- 2019-2021 **MSc. Advising**, *Daniela Kuinchtner*, PUCRS, Solving Markov Decision Processes Using Tensor Algebra  
Full government scholarship (CNPq)
- 2018-2020 **MSc. Advising**, *Alexandre Ichida*, PUCRS, Deep learning for text semantic similarity measurement  
Part-time MSc Student
- 2018-2020 **MSc. Advising**, *Gabriel Rubin de Lima*, PUCRS, Mixed Monte-Carlo and Machine Learning AI for competitive multiplayer computer and board games  
Part-time MSc Student (student works for the Rockhead games studio)
- 2016-2019 **MSc. Co-Advising**, *Laura Angélica Tomaz da Silva*, PUCRS, Feature Visualization for Dyslexia Identification in Functional MRI Data  
Full-time MSc Student sponsored by Motorola
- 2016-2019 **MSc. Advising**, *Daniele Pinheiro*, PUCRS, Understanding Contracts in Natural Language  
Part-time MSc Student
- 2016-2018 **MSc. Advising**, *Guilherme Krzisch*, PUCRS, Monitor placement in a normative System  
Full scholarship from the Brazilian Government
- 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

- 2015-2017 **MSc. Co-Advising**, *Joana Paim da Luz*, PUCRS, Graph Analysis applied to text output from basic education students and its predictive potential for developmental dyslexia—*Análise de grafos aplicada a produções textuais de alunos do ensino fundamental e seu potencial preditivo da dislexia do desenvolvimento*  
Full scholarship from CAPES. Joint work with Language Studies.
- 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 Postdoc 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 UNICESUMAR
- 2012-2014 **MSc. Advising**, *Rodrigo Castro Martins*, PUCRS, An Organization Based Multi Agent System for Smarthome Management  
Student currently at Growing Greener Innovations
- 2012-2014 **MSc. Advising**, *Jiéverson Maissiat*, PUCRS, Meta-level Reasoning in Reinforcement Learning  
Student currently working on his own start-up company

### Teaching

- 2022-2023 **Professor**, *University of Aberdeen*, Aberdeen, Scotland
- CS3033 – Artificial Intelligence  
15-credit Undergraduate course
- 2021-2023 **Professor**, *University of Aberdeen*, Aberdeen, Scotland
- CS3534/CS4595 – Distributed Systems and Security  
15-credit Undergraduate course
  - CS551K – Software Agents and Multi-Agent Systems  
15-credit Graduate course
- 2018-2021 **Lecturer**, *PUCRS*, Porto Alegre, Brazil
- 4646A – Introduction to Artificial Intelligence (Fundamentos de Inteligência Artificial)  
60-hour Undergraduate course (spring and autumn editions)
  - 4621A – Applied Artificial Intelligence (Inteligência Artificial Aplicada)  
60-hour Undergraduate course (spring and autumn editions)
- 2013-2021 **Lecturer**, *PUCRS*, Porto Alegre, Brazil
- 54667-02 – Automated Planning (Planejamento Automático)  
30-hour Graduate course

- 2013-2019 **Lecturer**, *PUCRS*, Porto Alegre, Brazil
- 34648 – Logic and Computational Algebras (Lógica e Álgebras Computacionais)  
30-hour Graduate course
- 2012,2017-2020 **Lecturer**, *PUCRS*, Porto Alegre, Brazil
- 4611E – Logic for Computer Science (Lógica para Computação)  
60-hour Undergraduate course (spring and autumn editions)
- spring/2018 **Lecturer**, *PUCRS*, Porto Alegre, Brazil
- 4646F – Introduction to Computer Science (Introdução à Ciência da Computação)  
60-hour Undergraduate course
- 2013-2016 **Lecturer**, *PUCRS*, Porto Alegre, Brazil
- 54606-03 – Computational Intelligence (Inteligência Computacional)  
45-hour Graduate course
- 2012-2017 **Lecturer**, *PUCRS*, Porto Alegre, Brazil
- 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
- autumn/2012 **Lecturer**, *PUCRS*, Porto Alegre, Brazil
- 34666 – Development of Intelligent Systems (*Desenvolvimento de Sistemas Inteligentes*)  
30-hour Graduate 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

- 2024 AI Journal prominent paper award for 2024
- 2024 Best Blue-Sky Paper at the 2024 AAMAS Conference
- 2021 Best SPC Member Award for the 2021 AAMAS Conference
- 2020 International Planning Competition (IPC@ICAPS)
- 2020 PhD thesis contest in BRACIS (advised the 1st place)
- 2019 Google Research Award for Latin America
- 2017 SICSA Distinguished Visiting Fellowship
- 2017 IJCNN Best Student Paper Award
- 2017-2019 CNPq Highly Productive Researcher Fellowship
- 2017 AAMAS Visionary Workshop Paper

- 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)
- 2015-2016 CNPq Highly Productive Researcher Fellowship
- 2013 One of 4 Runners Up to Microsoft Research Faculty Fellowship
- 2013 Best PC Member for the 2013 PRIMA Conference
- 2001 Best performing undergraduate student award (Valedictorian)

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## Professional and Learned Societies

- ACM Association for Computer Machinery. Member since 2003, Senior Member since 2021
- SBC Brazilian Computer Society. Member since 2002
- IEEE Institute of Electrical and Electronics Engineers. Member since 2016
- AAAI Association for the Advancement of Artificial Intelligence. Member since 2016, Senior Member since 2021

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## Grants and Funding

- 2024 **Fellowship**, *Aberdeen University Research Leave, United Kingdom – GBP 19,000.00*, Goal Recognition through Reinforcement Learning, Scotland  
Funding for research leave
- 2022 **Fellowship**, *The Scottish Informatics and Computer Science Alliance, United Kingdom – GBP 8,000.00*, Learning Heuristics for Classical Planning, Scotland  
Funding for Distinguished Visiting Fellow: André Grahl Pereira
- 2021-2023 **Industry Project**, *SAP Labs – BRL 656,000.00*, Query Management Through Machine Learning, Brazil  
Co-Investigator
- 2020-2021 **Industry Project**, *SAP Labs – BRL 570,000.00*, Automated Planning for Optimal Data Pipeline Instantiation, Brazil  
Principal Investigator
- 2019 **Award**, *Google, Brazil – BRL 97,133.00*, Visual Explanations for fMRI Neuroimaging Data, Brazil  
Principal-Investigator
- 2019 **Industry Project**, *SAP Labs – BRL 226,000.00*, SmartIX 2 - Smart dynamic indexing for large datasets, Brazil  
Co-Investigator
- 2018-2020 **State Government Project**, *FAPERGS – DocFix - BRL 153,400.00*, *Reconhecimento de Atividades e Objetos no Mundo Real* – Activity and Object Recognition in the Real World, Brazil  
Principal Investigator
- 2018 **Federal Grant**, *CNPq – Universal - BRL 40,000.00*, *Reconhecimento de Atividades e Objetos no Mundo Real* – Activity and Object Recognition in the Real World, Brazil  
Principal Investigator

- 2018 **Industry Project**, *SAP Labs – BRL 350,000.00*, SmartIX - Smart dynamic indexing for large datasets, Brazil  
Co-Investigator
- 2018 **Industry Project**, *HP Enterprise, Brazil – BRL 260,000.00*, DDPE - A DSL for the Dot-Product Engine, Brazil  
Co-Investigator
- 2017 **Fellowship**, *The Scottish Informatics and Computer Science Alliance, United Kingdom – GBP 8,000.00*, Effective norm monitoring placement in realistic conditions, Scotland  
Fellow
- 2017-2020 **Fellowship**, *CNPq – PQ - BRL 39,600.00*, *Raciocínio Simbólico-Geométrico em Agentes Autônomos* – Symbolic-geometric reasoning in autonomous agents, Brazil  
Fellow
- 2017 **Industry Project**, *Motorola, Brazil – BRL 1,500,000.00*, Mobile Data Analytics, Brazil  
Principal-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
- 2015-2020 **Federal Grant**, *CNPq – ProAlertas, Brazil – BRL 825,600.00*, *Integração de veículos autônomos e redes de sensores para aquisição de dados remotos para prevenção e mitigação de desastres naturais* – Integration of autonomous vehicles and sensor networks for remote data acquisition for the prevention and mitigation of natural disasters, Brazil  
Co-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
- 2015-2018 **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
- 2014-2016 **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
- 2013-2019 **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
- 2013-2015 **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
- 2013-2015 **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

- 2023–current **Talent Panel College**, UK Research and Innovation (UKRI), UK
- 2023–current **Peer Review College**, UKRI Engineering and Physical Sciences Research Council (EPSRC), UK
- 2019 **Project review committee**, Czech Science Foundation (GACR), Czech Republic

- 2017-2019 **Project review committee**, *Israel Science Foundation (ISF)*, Israel
- 2016 **Project review committee**, *United States – Israel Binational Science Foundation (BSF)*, Israel
- 2013–2021 **Project review committee**, *Pontificia Universidade Catolica do Rio Grande do Sul (PUCRS)*, Brazil
- 2014–2021 **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

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### Event Organization

- 2025 **Co-Chair**, *Demonstrations track of the Thirty Ninth AAAI Conference on Artificial Intelligence (AAAI)*, Philadelphia, USA
- 2025 **Area Chair**, *Twenty Fourth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Detroit, USA
- 2024 **Area Chair**, *Twenty Seventh European Conference on Artificial Intelligence (ECAI)*, Santiago de Compostela, Spain
- 2022 **Area Chair**, *Twenty First International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Auckland, New Zealand
- 2021 **Co-Chair**, *Demo track of the International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, London, UK
- 2020 **Co-Chair**, *BRACIS – Concurso de Teses e Dissertações em Inteligência Artificial e Computacional – Contest of Theses and Dissertations on Artificial and Computational Intelligence*, Rio Grande, Brazil
- 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

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### Session Chairing

- 2018 **Session Chair**, *International Joint Conference on Artificial Intelligence (IJCAI)*, Stockholm, Sweden
- 2017 **Session Chair**, *AAAI Conference on Artificial Intelligence*, San Francisco, USA
- 2015 **Session Chair**, *International Conference on Autonomous Agents and Multiagent Systems*, Istanbul, Turkey

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### Program Committee Membership

- 2024 **Senior Program Committee**, *Thirty Third International Joint Conference on Artificial Intelligence (IJCAI)*, Jeju, South Korea

- 2024 **Program Committee**, *Thirty Eighth AAAI Conference on Artificial Intelligence (AAAI)*, Vancouver, BC, Canada
- 2024 **Program Committee**, *Thirty Fourth International Conference on Automated Planning and Scheduling (ICAPS)*, Banff, Canada
- 2024 **Program Committee**, *Twenty Second International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Auckland, New Zealand
- 2023 **Senior Program Committee**, *Thirty Second International Joint Conference on Artificial Intelligence (IJCAI)*, Macau, China
- 2023 **Senior Program Committee**, *Thirty Seventh AAAI Conference on Artificial Intelligence (AAAI)*, Washington, DC, USA
- 2023 **Senior Program Committee**, *Thirty Third International Conference on Automated Planning and Scheduling (ICAPS)*, Czech Republic
- 2023 **Senior Program Committee**, *Twenty First International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, London, UK
- 2022 **Program Committee**, *Thirty First International Joint Conference on Artificial Intelligence (IJCAI)*, Vienna, Austria
- 2022 **Senior Program Committee**, *Thirty Sixth AAAI Conference on Artificial Intelligence (AAAI)*, Virtual
- 2022 **Program Committee**, *Thirty Second International Conference on Automated Planning and Scheduling (ICAPS)*, Singapore
- 2021 **Senior Program Committee**, *Thirtieth International Joint Conference on Artificial Intelligence (IJCAI)*, Montreal, Canada
- 2021 **Senior Program Committee**, *Twentieth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, London, UK
- 2021 **Program Committee**, *Thirty Fifth AAAI Conference on Artificial Intelligence (AAAI)*, Virtual
- 2021 **Program Committee**, *Thirty First International Conference on Automated Planning and Scheduling (ICAPS)*, Guangzhou, China
- 2020 **Program Committee**, *Twenty Ninth International Joint Conference on Artificial Intelligence (IJCAI)*, Yokohama, Japan
- 2020 **Program Committee**, *Nineteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Auckland, New Zealand
- 2020 **Program Committee**, *Thirty Fourth AAAI Conference on Artificial Intelligence (AAAI)*, New York, NY, USA
- 2020 **Program Committee**, *The AAAI 2020 Workshop on Plan, Activity, and Intent Recognition (PAIR)*, New York, NY, USA
- 2020 **Program Committee**, *Twenty Fourth European Conference on Artificial Intelligence (ECAI)*, Santiago de Compostela, Spain
- 2019 **Program Committee**, *Twenty Eighth International Joint Conference on Artificial Intelligence (IJCAI)*, Macau, China
- 2019 **Program Committee**, *Twenty Ninth International Conference on Automated Planning and Scheduling (ICAPS)*, Berkeley, CA, USA
- 2019 **Senior Program Committee**, *Eighteen International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Montreal, Canada

- 2019 **Program Committee**, *The AAAI 2019 Workshop on Plan, Activity, and Intent Recognition (PAIR)*, Honolulu, HI, USA
- 2019 **Program Committee**, *2019 Workshop on Adaptive Learning Agents (ALA)*, Montreal, Canada
- 2019 **Program Committee**, *Eighth Brazilian Conference on Intelligent Systems (BRACIS)*, Salvador, BA, Brazil
- 2018 **Program Committee**, *Twenty Sixth International Joint Conference on Artificial Intelligence (IJCAI)*, Stockholm, Sweden
- 2018 **Program Committee**, *Seventeenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, Stockholm, Sweden
- 2018 **Program Committee**, *Fifteenth AAAI Conference on Artificial Intelligence (AAAI)*, New Orleans, LO, USA
- 2018 **Program Committee**, *Seventh Brazilian Conference on Intelligent Systems (BRACIS)*, São Paulo, SP, Brazil
- 2018 **Program Committee**, *Thirty Eighth Conference of the Brazilian Computer Society (CSBC)*, Natal, RN, Brazil
- 2018 **Senior Program Committee**, *The Twentieth International Conference on Principles and Practice of Multi-Agent Systems (PRIMA)*, Tokyo, Japan
- 2018 **Program Committee**, *The AAAI 2018 Workshop on Plan, Activity, and Intent Recognition (PAIR)*, New Orleans, LO, USA
- 2018 **Program Committee**, *2018 Workshop on Adaptive Learning Agents (ALA)*, Stockholm, Sweden
- 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
- 2017 **Senior Program Committee**, *The Nineteenth International Conference on Principles and Practice of Multi-Agent Systems (PRIMA)*, Phuket, Thailand
- 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
- 2016 **Program Committee**, *Fourteenth European Conference on Multi-agent Systems (EUMAS)*, Valencia, Spain
- 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 AAI 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**, *Seventeenth Portuguese Conference on Artificial Intelligence (EPIA)*, Coimbra, Portugal
- 2015 **Program Committee**, *International Workshop on Coordination, Organisations, Institutions and Norms (COIN 2015@AAMAS)*, Istanbul, Turkey
- 2015 **Program Committee**, *International Workshop on Coordination, Organisations, Institutions and Norms (COIN 2015@IJCAI)*, Buenos Aires, Argentina
- 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
- 2014 **Program Committee**, *The Seventeenth International Conference on Principles and Practice of Multi-Agent Systems (PRIMA)*, Kuching, Malaysia
- 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
- 2013 **Program Committee**, *The Sixteenth International Conference on Principles and Practice of Multi-Agent Systems (PRIMA)*, Otago, New Zealand
- 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**, *Journal of Artificial Intelligence Research*, AI Access Foundation, Inc
- Reviewer**, *ACM Transactions on Intelligent Systems and Technology*, ACM
- 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

- 2024 **Invited Talk**, *Goal Recognition through Reinforcement Learning.*, Reasoning and Learning for Autonomous Agents: Symposium for the Agents Vic research group in Melbourne, Australia, Melbourne, Australia
- 2020 **Invited Talk**, *LP-Based Approaches for Goal Recognition as Planning.*, Agents Vic Talks Series, Melbourne, Australia
- 2020 **Colloquium**, *An Invitation to AI.*, Talks Series at the Philosophy Group in the School of Humanities at PUCRS, Porto Alegre, Brazil

- 2020 **Panel**, *AI: Science, Technology, and Economy.*, Opening Session of the Science and Technology Week of the Government of State of Rio Grande do Sul, Porto Alegre, Brazil
- 2019 **Keynote**, *Goal Recognition in times of Machine Learning.*, 8th Brazilian Conference on Intelligent Systems (BRACIS), Salvador, Brazil
- 2019 **Invited Talk**, *AI is not (only) Machine Learning* Inteligência Artificial não é (só) Aprendizado de Máquina., Dito Efeito series on AI, Porto Alegre, Brazil
- 2018 **Invited Talk**, *Plan and Goal Recognition in the Real World.*, Catholic University of Pelotas, Pelotas, Brazil
- 2017 **DVF Master Class**, *SICSA Distinguished Visiting Fellow Master Class on Plan and Goal Recognition.*, University of Aberdeen, Aberdeen, Scotland, UK
- 2017 **Invited Talk**, *Plan and Goal Recognition in the Real World.*, University of Edinburgh, Edinburgh, Scotland, UK
- 2017 **Invited Talk**, *Plan and Goal Recognition in the Real World.*, University of St. Andrews, St. Andrews, Scotland, UK
- 2016 **Invited Talk**, *A Bayesian Approach to Norm Identification.*, 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  
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Journal Papers

- 2024 Marcos A. Fleck Jr., Elisa G. Pereira, Jonas F. Gava, Henrique B. Silva, Fernando G. Moraes, Ney L. V. Calazans, **Felipe Meneguzzi**, Rodrigo P. Bastos, Ricardo A. L. Reis, Luciano Ost, Rafael Garibotti. Assessment of Radiation-Induced Soft Error on Unmanned Surface Vehicles. *IEEE Transactions on Nuclear Science*, 2024. Qualis A4  
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- 2024 Ramon F. Pereira, Francesco Fuggitti, **Felipe Meneguzzi**, and Giuseppe De Giacomo. Temporally extended goal recognition in fully observable non-deterministic domain models. *Applied Intelligence*, 2024. Qualis A3  
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- 2022 Rafael C. Cardoso, Brian Logan, **Felipe Meneguzzi**, Nir Oren, and Bruno Yun. Resilience, reliability, and coordination in autonomous multi-agent systems. *AI Communications*, 2022. Qualis B1  
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- 2022 Mor Vered, Reuth Mirsky, Ramon F. Pereira, and **Felipe Meneguzzi**. Advances in Goal, Plan and Activity Recognition. *Frontiers in Artificial Intelligence*, 2022. Qualis B1  
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- 2021 Laura T. da Silva, Nathalia B. Esper, Duncan D. Ruiz, **Felipe Meneguzzi**, and Augusto Buchweitz. Visual Explanation for Identification of the Brain Bases for Developmental Dyslexia on fMRI Data. *Frontiers in Computational Neuroscience*, 2021. Qualis A2  
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- 2021 The Brainhack Community Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. *Neuron*, Cell Press, 2021. Qualis A1  
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- 2020 Pedro L. Ballester, Laura Tomaz da Silva, Matheus Marcon, Nathalia Bianchini Esper, Benicio N Frey, Augusto Buchweitz, and **Felipe Meneguzzi**. Predicting brain age at slice level: convolutional neural networks and consequences for interpretability. *Frontiers in Psychiatry*, section Neuroimaging and Stimulation, 2020. Qualis A3  
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- 2020 Ramon F Pereira, Nir Oren, and **Felipe Meneguzzi**. Landmark-based approaches for goal recognition as planning. *Artificial Intelligence*, volume 279, 2020. Qualis A1  
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- 2020 Ramon F Pereira, Nir Oren, and **Felipe Meneguzzi**. Using Sub-Optimal Plan Detection to Identify Commitment Abandonment in Discrete Environments. *ACM Transactions on Intelligent Systems and Technology*, volume 12, issue 2, pp 1–26, 2020. Qualis A1  
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- 2018 **Felipe Meneguzzi**, Maurício C. Magnaguagno, Pankaj Telang, Neil Yorke-Smith, and Munindar Singh. GoCo: Planning Expressive Commitment Protocols. *Autonomous Agents and Multi-Agent Systems*, volume 32, issue 4, pp 459–502, 2018. Qualis A4  
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- 2018 Leonardo Amado and **Felipe Meneguzzi**. Q-Table compression for reinforcement learning. *The Knowledge Engineering Review*, volume 33, e22, 2018. Qualis A2  
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- 2018 Anibal Sólón Heinsfeld, Alexandre Rosa Franco, Cameron R. Craddock, Augusto Buchweitz, and **Felipe Meneguzzi**. Identification of autism spectrum disorder using deep learning and the ABIDE dataset. *Neuroimage: Clinical*, pp16-23, 2018. Qualis A1  
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- 2018 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* volume 6, issue 1, pp.3 - 34, 2018. Qualis B3  
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- 2017 João Paulo Aires, Daniele Pinheiro, Vera Lúcia Strube de Lima, and **Felipe Meneguzzi**. Norm Conflict Identification in Contracts. *Artificial Intelligence and Law*, pp1–32, 2017. Qualis A1  
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- 2017 Maurício C. Magnaguagno, and **Felipe Meneguzzi**. BioPlan: Classical Planning with Crowd simulation. *SBC Journal on Interactive Systems*, 8:1, pp 48–59, 2017. Qualis B3  
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- 2017 Giovanni 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* vol 6:1, p. 71-84, 2017. Qualis B5  
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- 2017 Artur Freitas, Alison R. Panisson, Lucas Hilgert, **Felipe Meneguzzi**, Renata Vieira, And Rafael H. Bordini. Applying ontologies to the development and execution of Multi-Agent Systems *Web Intelligence* vol. 15:4, pp. 291-302, 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. Qualis A1  
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- 2016 Ramon F. Pereira, Anibal S. Heinsfeld, Alexandre Franco, Augusto Buchweitz, **Felipe Meneguzzi**. Detecting task-based fMRI compliance using plan abandonment techniques. In *GigaScience* 5(1):21–22, 2016. Qualis A1  
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- 2016 Anibal S. Heinsfeld, Alexandre Franco, Augusto Buchweitz, **Felipe Meneguzzi**. NeuroView: a customizable browser-base utility. In *GigaScience* 5(1):25–25, 2016. Qualis A1  
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- 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. Qualis A2  
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- 2015 Sanjay Modgil, Nir Oren, Nora Faci, **Felipe Meneguzzi**, Simon Miles and Michael Luck. Monitoring compliance with E-contracts and norms. *Artificial Intelligence and Law* 1:1–36, 2015. Qualis A1  
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- 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. Qualis A2  
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- 2013 **Felipe Meneguzzi** and Michael Luck. Declarative planning in procedural agent architectures. *Expert Systems with Applications* 40(16):6508–6520, November 2013. Qualis A1  
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- 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. Qualis A1  
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- 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. Qualis A1  
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- 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. Qualis A2  
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- 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. Qualis B5  
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### 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

Mauricio C. Magnaguagno, Ramon F. Pereira, Martin D. Móre, and **Felipe Meneguzzi**. Web Planner: A Tool to Develop, Visualize and Test Classical Planning Domains, in *Knowledge Engineering Tools and Techniques for AI Planning, 1st Edition*, Ed. Mauro Vallati and Diane Kitchin, published by Springer, to appear, 2019.

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.

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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, and Hung 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

Leonardo Amado, Sveta Shainkopf, Ramon F. Pereira, Reuth Mirsky, and **Felipe Meneguzzi**. A Survey on Model-Free Goal Recognition. In *the Thirty Third International Joint Conference on Artificial Intelligence (IJCAI)*, 2024 Qualis A1  
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Alexandre Y. Ichida, Rafael C. Cardoso, and **Felipe Meneguzzi**. BDI Agents in Natural Language Environments. In *the Thirty Third International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2024 Qualis A1  
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Ramon F. Pereira, and **Felipe Meneguzzi**. Empowering BDI Agents with Generalised Decision-Making. In *the Thirty Third International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2024 Qualis A1  
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Leonardo R. Amado, Ramon F. Pereira, and **Felipe Meneguzzi**. Robust Neuro-Symbolic Goal and Plan Recognition. In *the Thirty Seventh AAAI Conference on Artificial Intelligence (AAAI)*, 2023 Qualis A1  
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Alexandre Y. Ichida, and **Felipe Meneguzzi**. Modeling a Conversational Agent using BDI Framework. In *the Thirty Eighth ACM Symposium on Applied Computing (SAC)*, 2023 Qualis A1  
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Juarez Monteiro, Nathan Gavenski, **Felipe Meneguzzi**, and Rodrigo Barros. Self-supervised Adversarial Imitation Learning. In *the Thirty Sixth International Joint Conference on Neural Networks (IJCNN)*, 2023 Qualis A1  
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- Nathan Gavenski, Juarez Monteiro, Roger Granada, **Felipe Meneguzzi**, and Rodrigo Barros. Imitating Unknown Policies via Exploration. In *the Thirtieth British Machine Vision Conference (BMVC)*, 2020 Qualis A1  
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- Daniela Kuinchtner, **Felipe Meneguzzi**, and Afonso Sales. A Tensor-based Markov Decision Process Representation. In *the 19th Mexican International Conference on Artificial Intelligence (MICAI)*, 2020 Qualis B1  
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- Ramon F. Pereira, André Grahl Pereira, and **Felipe Meneguzzi**. Landmark-Enhanced Heuristics for Goal Recognition in Incomplete Domain Models. In *Proceedings of the Twenty Ninth International Conference Automated Planning and Scheduling (ICAPS)*, 2019 Qualis A2  
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- Ramon F. Pereira, Mor Vered, **Felipe Meneguzzi**, and Miquel Ramirez. Online probabilistic goal recognition over nominal models. In *Proceedings of the Twenty Eighth International Joint Conference on Artificial Intelligence (IJCAI)*, 2019 Qualis A2  
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- Lavindra de Silva, **Felipe Meneguzzi**, and Brian Logan. An Operational Semantics for a Fragment of PRS. In *Proceedings of the Twenty Seventh International Joint Conference on Artificial Intelligence (IJCAI)*, 2018 Qualis A1  
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