

## PERSONAL INFORMATION

## AGOSTINHO, Carlos Manuel de Melo



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Sex Male | Date of birth 02/11/1979 | Nationality Portuguese

## WORK EXPERIENCE

2012 - Nowadays

## Senior Researcher

UNINOVA – Instituto de Desenvolvimento de Novas Tecnologias

**Position:** Research Area Coordinator at CTS/GRIS (Group for Research in Interoperability of Systems)

**Main skills addressed:** Research Project Mgmt; Sustainable Interoperability; Industrial Systems Interoperability; Information and Knowledge Modelling; Model-driven Development and Transformations; Model-based Services Engineering; Standardization.

- Chair of the Interop-Vlab Task Force on “Model Driven Engineering for Enterprise Interoperability” ([interop-vlab.eu/the-scientific-activities/committees-and-groups-1/i-vlab-task-forces-descriptions/task-force-2-mdi-soa](http://interop-vlab.eu/the-scientific-activities/committees-and-groups-1/i-vlab-task-forces-descriptions/task-force-2-mdi-soa))
- Member of the Scientific Committee of several international events and publications (see detail in the personal skills and additional information).
- Reviewer of the European Commission’s Roadmap for the research in the areas of Future Internet Enterprise System “FInES Research Roadmap 2025 - v2.0”.
- Contribution to the following European research projects:
  - Ongoing (2)
    - **C2NET** “Cloud Collaborative Manufacturing Networks” (H2020 FoF - 636909); Beginning: January 2015
      - Member of the project’s executive board and local coordinator of UNINOVA’s activities;
      - Project Lead of work package 3 for the continuous data collection framework specification and implementation;
      - Industrial scenarios specification and technical knowledge base definition to support the project’s platform.
    - **OSMOSE** “OSMOsis Applications for the Sensing Enterprise” (FP7 ICT - 610905); Beginning: October 2013
      - Local coordinator of UNINOVA’s activities;
      - Project Lead of work package 2 for user scenarios specification, requirements engineering, and business validation;
      - Development of conceptual architecture, ontologies, and business processes to support the “liquid-sensing enterprise”.
  - Concluded (3)
    - **IMAGINE** “InnovativeEnd-to-end Management of Dynamic Manufacturing Networks” (FP7 FoF-ICT 285132); Concluded: December 2014
      - Co-leadership of the Furniture Industry Living Lab to test the project’s platform;
      - Specification of the software adaptors that mediate the communication among furniture legacy systems and the IMAGINE platform.
    - **MSEE** “Manufacturing SEvice Ecosystem” (FP7 FoF-ICT - 284860); Concluded: October 2014
      - Local coordinator of UNINOVA’s activities;
      - Model-driven service engineering and service model transformation.
    - **UNITE** “UpgradiNg ICT excellence by strengthening cooperation between research Teams in an enlarged Europe” (FP7 ICT - 248583); Concluded: April 2013
      - Project Lead of work package 3 for the Secondment Programme in the areas of the Future Internet.
- Supervisor of the following research thesis (5):
  - **(ongoing):** Co-supervisor of PhD thesis of José Alexandre Pires Ferreira. *Monitoring Morphisms to support Sustainable Interoperability of Networked Enterprise Systems*. PDEEC/FCT-UNL;
  - **(ongoing):** Co-supervisor of MSc thesis of Pedro Miguel Pinto. *Dynamic Transformations to Support Model-driven Interoperability*. DEE/FCT-UNL;
  - **(ongoing):** Co-supervisor of MSc thesis of Carlos Pedro Raposo. *Detection of Harmonization Breaking*. DEE/FCT-UNL;
  - **2013:** Co-supervisor of MSc thesis of Bruno Paulo da Silva Neves Caixinha. *Methodology for Enterprise Interoperability Assessment*. DEE/FCT-UNL;
  - **2012:** Co-supervisor of MSc thesis of José Alexandre Pires Ferreira. *Monitoring Morphisms to Support Sustainable Interoperability of Enterprise Systems*. DEE/FCT-UNL.

**Business or sector:** Research and Technology Transfer

2013 – Nowadays

### Postdoctoral Research Fellow

Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa (FCT-UNL)

**Position:** Teaching Fellow and Research Projects Senior Contributor**Main skills addressed:** Sustainable Interoperability; Industrial Systems Interoperability; Model-based Services Engineering.

- Contribution to the following National research projects:
  - Concluded (1)
    - **PRODUTECH-PSI** “ *New Products and Services for the Manufacturing Industry* ” (QREN - 13849); Concluded: 2014
      - Special contributor on industrial systems interoperability using STEP (ISO 10303) standards.  
([mobilizadores.produtech.org/en/project-psi](http://mobilizadores.produtech.org/en/project-psi)).
- Teaching Fellow of the Electrical Engineering Department (DEE):
  - **Architectures for Integration of Systems** (2013/2014)
  - Invited **speaker at Unit 14.c “Project Proposal Preparation Examples – NMP”** of the module “Scientific Research Methodologies and Techniques”, part of the Doctoral Programme of Electrical and Computers Engineering (2012/2013)

**Business or sector:** Research and Academia

2005 – 2012

### Researcher

UNINOVA – Instituto de Desenvolvimento de Novas Tecnologias

**Position:** Research Assistant and PhD student**Main skills addressed:** Local Research Management; Enterprise Systems Interoperability; Data Modelling; Model-driven Development and Transformations; Standardization.

- Participation on the following international **standardization** initiatives:
  - **ISO 10303-236** - “Industrial automation systems and integration — Product data representation and exchange — Application protocol: Furniture catalog and interior design”;
  - **OMG formal/2010-10-01** – “Reference Metamodel for the EXPRESS Information Modeling Language Specification”.
- Contribution to the following European research projects:
  - **CRESCENDO** “*Collaborative and Robust Engineering using Simulation Capability Enabling Next Design Optimisation*” (FP7 AAT - 234344); Concluded: September 2013
    - Project Lead of the BDA (Behavioural Digital Architecture) Model Store component requirements identification
    - Contributor to the Poweplant Integration prototype with model-driven interoperability implementations
  - **ENSEMBLE** “*Envisioning, Supporting and Promoting Future Internet Enterprise Systems Research through Scientific Collaboration*” (FP7 ICT - 257548); Concluded: August 2012
    - Co-leadership of the of the Enterprise Interoperability Science Base (EISB) workpackage;
  - **iSurf** “*An Interoperability Service Utility for Collaborative Supply Chain Planning across Multiple Domains Supported by RFID Devices*” (FP7 ICT 213031); Concluded: July 2010
    - Definition and implementation of strategy for the evaluation of software and proof-of-concepts developed;
  - **Innovafun** “*Applying open standards to INNOVAte FURNiture business processes*” (FP6-INNOVATION - 31139); Concluded: October 2008
    - Co-Leadership of the project’s technical activities (Initial implementations on ISO10303-236, funStep services: [gris-public.uninova.pt:8080/funStepServices/](http://gris-public.uninova.pt:8080/funStepServices/));
    - Project Lead of the “funStep Training Curriculum”;
  - **InterOP** – “*Interoperability Research for Networked Enterprises Applications and Software*” (FP6 IST-508011); Concluded: April 2007
    - Definition and formalization of “Model Morphisms (MoMo)” (data models transformation) within the MoMo taskforce;
  - **ATHENA-IP** – “*Advanced Technologies for interoperability of Heterogeneous Enterprise Networks and their Applications*” (FP6 IST-507849); Concluded: March 2007
    - Implementation of interoperability enabler services and demonstration within the furniture sector.
- Supervisor of the following research and engineering thesis :
  - **2010:** Co-supervisor of **MSc** thesis of Miguel Alexandre de Sousa Ferro de Beça. *Tuple-based Morphisms for Interoperability Establishment of Financial Information Models*. DEE/FCT-UNL
  - **2005:** Co-supervisor **undergraduate** thesis of Pedro Filipe Matias de Castro. *Mapear XML Schema em base de dados relacional (XSD2RDB)*. DI/FCT/UNL.

**Business or sector:** Research and Technology Transfer

2003 – 2007  
(and periodic collaborations until  
2013)

### Teaching Fellow

Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa (FCT-UNL)

**Position:** Teaching Fellow and Research Assistant

**Main skills addressed:** Enterprise Systems Interoperability; Model-driven Development and Transformations, XML Data Modelling; Algorithms; Hardware; standardization.

- Teaching Fellow of the Electrical Engineering Department (DEE):
  - Invited **speaker at “Model-driven Interoperability”** module of the Architectures for Integration of Systems discipline (from 2009/2010 to 2012/2013);
  - **Microprocessors Programming** (2006/2007);
  - **Logical Systems 2** (2006/2007).
- Teaching Fellow of the Computer Science Department (DI):
  - **Introduction to Programming** (2004/2005 and 2005/2006);
  - **Algorithms and Data Structures** (2004/2005).
- Contribution to the following European research projects:
  - **Smart-FM** “A Standards compliant framework to support complete integrated product life-cycle information Management And electronic commerce for the furniture manufacturing (FM) industry, in THE advent of the smart enterprises” (FP5 IST-2001-52224); Conclusion: April 2013
  - Contribution to the development of draft ISO 10303-236, technical implementations and demonstration activities

**Business or sector:** Research and Academia

2001 - 2003

### Developer

UNINOVA – Instituto de Desenvolvimento de Novas Tecnologias

**Position:** Junior Researcher

**Main skills addressed:** Web development, Data Bases, PhP.

- Contribution to the following European research projects:
  - **COFURN** “CO-operation for consensus, standardisation and interoperability to support e-com services in the FURNiture sector” (FP5 IST-2000-25183); Concluded: December 2002
  - Contribution to the funStep web page development.

**Business or sector:** Research and Technology Transfer

## EDUCATION AND TRAINING

2013-2014	<b>Post-Doctoral Research</b>	Level 8
	Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa (FCT-UNL) GRIS Lab of the Center for Technology and Systems (CTS) <ul style="list-style-type: none"><li>■ Model-based Services Engineering</li></ul>	
2008-2012	<b>PhD in Electrical and Computers Engineering (Industrial Information Systems branch)</b>	Level 8
	Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa (FCT-UNL) <ul style="list-style-type: none"><li>■ Self-Sustainable Interoperability, Meta-modelling, Model Transformations</li></ul>	
2003-2006	<b>Master of Science (MSc) in Informatics</b>	Nível 7
	Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa (FCT-UNL) <ul style="list-style-type: none"><li>■ Information Systems Interoperability, Product Data Standards and Model Transformations</li></ul>	
1997-2003	<b>Computer Science Engineering Degree</b>	Nível 6
	Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa (FCT-UNL) <ul style="list-style-type: none"><li>■ Data Bases and Software Engineering</li></ul>	
2003	<b>Professional Trainer</b>	
	Instituto NaturInvest (Accredited by Portugal’s I.E.F.P)	

PERSONAL SKILLS

Mother tongue Portuguese

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Inglês	C	C	C	C	C
First Certificate of English pela Universidade de Cambridge					
Espanhol	C	B	B	B	A

Níveis: A1/2: Utilizador básico - B1/2 utilizador independente - C1/2: utilizador avançado  
 Quadro Europeu Comum de Referência para as Línguas

Communication skills

Good capability of communication and cooperation:

- Debate and discussion, throughout multiple working meetings and many years of professional experience promoting teamwork and cooperation in international projects;
- Oratory, demonstrated through several presentations in conferences, and experience acquired both at academic and professional training environments:
  - 2014: MSEE Toolbox for Manufacturing Services Modelling. **Invited Speaker** at *Industrial Workshop on Manufacturing Service Ecosystem (MSEE)*. 8<sup>th</sup> July, 2014, Guimarães, Portugal;
  - 2014: OSMOSE and the Sensing Liquid Enterprise. **Invited Speaker** at the *FITMAN workshop in the IOT Week 2014*. 18<sup>th</sup> June, 2014, London, UK;
  - 2014: OSMOSE and the Sensing Liquid Enterprise. **Invited Speaker** at *DBI (Digital Business Innovation) workshop in the Future Internet Assembly (FIA) 2014*. 23<sup>rd</sup> March, 2014, Athens, Greece;
  - 2011: Interoperability and the software, services and semantic technologies challenges in the future of internet. **Invited Speaker** at *WoSS- 2nd Workshop on Software Services: Cloud Computing and Applications based on Software Services*. 6-9 June, 2011, Timisoara, Romania;
  - 2009: Implementation Techniques and Frameworks. **Trainer** at *SISTER/S3T: Enterprise Interoperability Seminar*. 27 October, 2009, University of Sofia St.Kliment Ohridski, Sofia, Bulgaria;
  - 2009: Enterprise Interoperability. **Trainer** at the seminar from the *Greek Interoperability Center (GIC)*. 2-24 July, 2009, National Technical University of Athens (NTUA), Athens, Greece;
  - 2008: FUNSTEP tools and services. **Invited Speaker** at *CEN/ISSS FG CDC / eCAT-ePPS Workshop on information standards and dictionaries*. 20-21 November, 2008, Brussels, Belgium;
  - 2008: funStep training. **Trainer** at the seminar *Data Sharing in the Furniture Industry*. 16 October, 2008, FIRA Offices, Stevenage, UK.

Organisational / managerial skills

Good leadership capability:

- Since 2014: **Chair** of Interop-Vlab (Int. Virtual Laboratory for Enterprise Interoperability) **Task Force “Model Driven Engineering for Enterprise Interoperability”** ([interop-vlab.eu/the-scientific-activities/committees-and-groups-1/i-vlab-task-forces-descriptions/task-force-2-mdi-soa](http://interop-vlab.eu/the-scientific-activities/committees-and-groups-1/i-vlab-task-forces-descriptions/task-force-2-mdi-soa));
- Coordination and leadership of task involving international multidisciplinary teams;
- Co-supervision of 7 research thesis (3 of which still on-going);
- Participation in several events’ committees and initiatives:
  - 2015: **Symposium co-organizer** for the “Systems Engineering” *SEIKM session* in the ASME IDETC/CIE conference (<http://www.asmeconferences.org/IDETC2015/>);
  - 2015: **Chair** of *Special Session MDSE4SI 2015 “Model-Driven Enterprise Services and Applications for a Sustainable Interoperability: New Paradigms for Development in the Future Enterprise”* organized in MODELSWARD 2015 conference ([www.modelsward.org/MDE4SI.aspx](http://www.modelsward.org/MDE4SI.aspx));
  - 2014: **Chair** of *Special Session MDSE 2014 “Model-Driven Service Engineering: New Paradigms for Services Development in the Manufacturing Domain”* organized in MODELSWARD 2014 conference
  - 2010 – 2013: **UNITE secondment chair** ([www.unite-europe.eu](http://www.unite-europe.eu))
  - 2011: **Mobility Program Chair** for the 1<sup>st</sup> *UNITE Doctoral Symposium “Future Internet-based Enterprise Systems”*. June, University Politehnica of Bucharest, Romania ([unitedoc.netii.net](http://unitedoc.netii.net))
  - 2011: **Co-Chair** for the workshop “Opportunities for Future Internet Research in the Enlarged Europe”. May, Technical University of Riga, Latvia ([www.itl.rtu.lv/mik/?id=344](http://www.itl.rtu.lv/mik/?id=344))
  - 2010: Member of the **Organizing Committee** of *DoCEIS’10– 1st Doctoral Conference on Computing, Electrical and Industrial Systems*. February, Caparica, Portugal ([www.uninova.pt/doceis](http://www.uninova.pt/doceis))
  - 2008: Member of the **Organizing Committee** of *ICE08– 14th International ICE-Conference on Engineering, Technology and Innovation*. June, Caparica, Portugal ([www.ice-conference.org](http://www.ice-conference.org))
  - 2007: Member of the **Organizing Committee** of *I-ESA’07– 3rd International Conference on Interoperability for Enterprise Software and Applications*. March, Funchal, Portugal
  - 2007: **Co-Chair** for the workshop “Enabling Model-Driven Architecture: Model Transformation, Derivation and Extension” in the I-ESA’07 Conference. March, Funchal, Portugal

- **2005:** Member of the **Organizing Committee** of the Seminar “Information Technologies in the Furniture Industry – A Vector of Innovation” – Expo Salão, Batalha, Portugal.
- **2003:** Member of the **Organizing Committee** of *CE2003 – 10th ISPE International Conference on Concurrent Engineering: Research and Applications*. June, Funchal, Portugal

**Other skills and Positions** 2001/2001: President of the Fiscal Council from the Students Association of FCT-UNL  
 2001: Members of the Representatives Assembly of UNL  
 2001 – 2002: Member of the Representatives Assembly of FCT-UNL

**Drivers Licence** Category B

**ADDITIONAL INFORMATION**

**Honours and awards** **2006:** Scientific Excellent Prize in the Smart-fm project, Intelligent Manufacturing Systems ([www.ims.org](http://www.ims.org)), USA/European Union/Japan/Australia/Canada/Switzerland

**Membership of Technical Committees** **Since 2011:** Member of **Task Force “Model Driven Engineering for EI”**, of Interop Vlab (<http://interop-vlab.eu>)  
**Since 2009:** Member of **Task Force “EI Practice and Reference Applications”**, of Interop Vlab network - International Virtual Laboratory for Enterprise Interoperability (<http://interop-vlab.eu>)

**Membership of Scientific Committees (Journals)** **2014:** Member of the Scientific Committee of the *JIM – Journal of Intelligent Manufacturing, special issue on: Novel Strategies for Global Manufacturing Systems Interoperability*. ISSN: 0956-5515  
**Since 2013:** Regular **Reviewer** of *JIM - Journal of Intelligent Manufacturing*. ISSN: 0956-5515  
**Since 2014:** Regular **Reviewer** of *IJCIM- International Journal on Computer Integrated Manufacturing*. ISSN: 0951-192X

**Membership of Scientific Committees (Events)** **Since 2014:** Member of the **International Programme Committee (IPC)** of *ICIST 2014 - International Conference on Information Society and Technology* (<http://www.yuinfo.org/icist2015/>);  
**2010, 2014:** Member of the **International Program Committee (IPC)** of *CE conference - ISPE International Conference on Concurrent Engineering*.  
**2014:** Member of the **Scientific Committee** for the *invited session on Knowledge Integration* organized in IEEE IS'14 Conference. (<http://www.ispe-org.net/conferences/>)  
**2011:** Member of the **Scientific Committee** for the *Samos Summit 2011 - Future Internet: The power to change society*. July, Samos, Greece ([samos-summit.blogspot.com](http://samos-summit.blogspot.com))

**Publications (Journals)** **2013:** Jardim-Goncalves, R., Grilo, A., Agostinho, C., Lampathaki, F., & Charalabidis, Y. (2013). **Systematisation of Interoperability Body of Knowledge: The foundation for EI as a science**. *Enterprise Information Systems*, 7(1), 7–32. doi:10.1080/17517575.2012.684401 (ISI Web of Knowledge, 2011 JCR Science Edition, 5Y Impact Factor: 3.847).  
**2012:** Lampathaki, F., Koussouris, S., Agostinho, C., Jardim-Goncalves, R., Charalabidis, Y., & Psarras, J. (2012). **Infusing scientific foundations into Enterprise Interoperability**. *Computers in Industry*, 63(8), 858–866. doi:10.1016/j.compind.2012.08.004 (ISI Web of Knowledge, 2011 JCR Science Edition, 5Y Impact Factor: 1.937).  
**2012:** Jardim-Goncalves, R., Agostinho, C., Sarraipa, J., Grilo, A., & Mendonça, J. P. (2012). **Reference framework for enhanced interoperable collaborative networks in industrial organisations**. *International Journal of Computer Integrated Manufacturing*, 26(1-2), 166–182. doi:10.1080/0951192X.2012.687130 (ISI Web of Knowledge, 2011 JCR Science Edition, 5Y Impact Factor: 1.113).  
**2012:** Jardim-Goncalves, R., Agostinho, C., & Steiger-Garcão, A. (2012). **A reference model for sustainable interoperability in networked enterprises: towards the foundation of EI science base**. *International Journal of Computer Integrated Manufacturing*, 25(10), 855–873. doi:10.1080/0951192X.2011.653831 (ISI Web of Knowledge, 2011 JCR Science Edition, 5Y Impact Factor: 1.113).  
**2011:** Jardim-Goncalves, R., Sarraipa, João, Agostinho, C. & Panetto, H. (2009) **Knowledge framework for intelligent manufacturing systems**. *Journal of Intelligent Manufacturing*, Vol. 22 (5) pp. 725-735. DOI: 10.1007/s10845-009-0332-4. (ISI Web of Knowledge, 2011 JCR Science Edition, 5Y Impact Factor: 1.414).  
**2007:** Jardim-Goncalves, R., Agostinho, C., Malo, P. & Steiger-garcão, A. (2007) **Harmonising technologies in conceptual models representation**. *International Journal of Product Lifecycle Management*, 2 (2), p.p.187–205.

**Publications (Book Chapters)** **2014:** Ducq, Y., Agostinho, C., Chen, D., Zacharewicz, G. & Jardim-Goncalves, R. (2014) **Generic Methodology for Service Engineering based on Service Modelling and Model Transformation**. In: S. Wiesner, C. Guglielmina, S. Gusmeroli, & G. Doumeingts eds. *Manufacturing Service Ecosystem: Achievements of the European 7th Framework Programme FoF-ICT Project MSEE: Manufacturing Service Ecosystem (Grant No. 284860)*. Verlag-Mainz, pp.41–49.  
**2014:** Spirito, M., Pastrone, C., Soldatos, J., Giaffreda, R., Doukas, C., Muñoz, L., Polidura, V.G., Gusmeroli, S., Sola, J. & Agostinho, C. (2014) **Internet of Things Applications - Research and Innovation to Market Deployment (Chapter 7)**. In: O. Vermesan & P. Friess eds. *Internet of Things – From Research and Innovation to Market Deployment*. River Publishers, pp.243–286.



- 2013: Agostinho, C., Jardim-Goncalves, R., Steiger-Gracao, A. (2013) **Underpinning EISB with Enterprise Interoperability Neighboring Scientific Domains**. In Y. Charalabidis, F. Lampathaki, R. Jardim-Goncalves, ed. *Revolutionizing Enterprise Interoperability through Scientific Foundations*. IGI Global
- 2011: Jardim-Goncalves, R., Agostinho, C., Sarraipa, João, Roca-Togores, A., Nunez, M.J. & Panetto, H. (2011) **Standards Framework for Intelligent Manufacturing Systems Supply Chain**. In S. Renko, ed. *Supply Chain Management - New Perspectives*. InTech.
- 2008: Roca-Togores, A. & Agostinho, C. (2008) **The Innovafun Handbook: Main Experiences and Recommendations from INNOVAFUN under the Europe INNOVA Standards networks initiative**. EuroTop supported by the EC Directorate-General for Enterprise and Industry. Available from: [issuu.com/eurotop/docs/handbook\\_innovafun\\_web](http://issuu.com/eurotop/docs/handbook_innovafun_web).

## Publications (Conferences)

- 2015: Agostinho, C., Sesana, M., Jardim-goncalves, R. & Gusmeroli, S. (2014). **Model-Driven Service Engineering Towards the Manufacturing Liquid-Sensing Enterprise**. In International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2015) Angers, France.
- 2014: Agostinho, C., Pinto, P. & Jardim-goncalves, R. (2014) **Dynamic Adaptors to Support Model-Driven Interoperability and Enhance Sensing Enterprise Networks**. In: 19th World Congress of the International Federation of Automatic Control (IFAC'14). Cape Town, South Africa.
- 2014: Ferreira, J., Sarraipa, J., Agostinho, C., Gigante, F., Nunez, M.J. & Jardim-Goncalves, R. (2014) **Collaborative production using dynamic manufacturing networks for SME's**. In: 2014 International Conference on Engineering, Technology and Innovation (ICE). IEEE.
- 2014: Ferro-Beca, M., Sarraipa, J., Agostinho, C., Gigante, F. & Jose-Nunez, M. (2014) **A Framework to Enhance Supplier Search in Dynamic Manufacturing Networks**. In: Proceedings of the 4th International Conference on Information Society and Technology (ICIST 2014). Kopaonik, Serbia, Society for Information Systems and Computer Networks..
- 2014: Raposo, C., Agostinho, C., Ferreira, J. & Jardim-, R. (2014) **Automatic Detection of Harmonization Breaking in SOA-based Enterprise Networks**. In: 21st ISPE International Conference on Concurrent Engineering (CE2014). Beijing, China, IOS Press, pp.726–735.
- 2014: Marcelino-Jesus, E., Sarraipa, J., Agostinho, C. & Jardim-Goncalves, R. (2014) **A Requirements Engineering Methodology for Technological Innovations Assessment**. In: 21st ISPE International Conference on Concurrent Engineering (CE2014). Beijing, China, IOS Press.
- 2014: Agostinho, C., Bazoun, H., Zacharewicz, G., Ducq, Y., Boye, H. & Jardim-goncalves, R. (2014). **Model Transformation Principles for Servitization and Service Systems**. In International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2014) Lisboa, Portugal.
- 2013: Ferreira, J., Agostinho, C., Sarraipa, J. & Jardim-Goncalves, R. (2012). **IMAGINE Blueprints for the Furniture Industry: Instantiation with the ISO 10303-236**. In: ICE'13 IEEE International Technology Management Conference, 24-26, June, the Hague, Netherlands.
- 2013: Danila, C., Stanescu, A., Goncalves, R., Agostinho, C., Florea, A. & Serbanescu, C. (2013). **Towards a holistic approach for Developing Sensing Enterprise Modelling Framework**. In 2013 IFAC Conference on Manufacturing Modelling, Management and Control (MIM'2013), June, Saint Petersburg, Russia.
- 2013: Ferreira, J., Beca de Ferro, M. Agostinho, C., Nunez, M.J. & Jardim-goncalves, R. (2013). **Standard Blueprints for Interoperability in Factories of the Future (FoF)**. In 2013 IFAC Conference on Manufacturing Modelling, Management and Control (MIM'2013), June, Saint Petersburg, Russia.
- 2012: Ferreira, J., Agostinho, C., Ilie-Zudor, E. & Jardim-goncalves, R. (2012). **Monitor for Information Alignment and Sustainability in Logistics Networks**. In Proceedings of the ASME 2012 International Mechanical Engineering Congress & Exposition (IMECE2012).
- 2012: Ferreira, J., Agostinho, C., Beça de Ferro, M. & Jardim-goncalves, R. (2012). **Monitoring Morphisms for Advanced Interoperability in Factories of the Future (FoF) Platforms**. In 14th International Conference on Modern Information Technology in the Innovation Processes of the Industrial Enterprises (MITIP'12).
- 2012: Agostinho, C., Černý, J., & Jardim-goncalves, R. (2012). **MDA-Based Interoperability Establishment Using Language Independent Information Models**. In 4th International IFIP Working Conference on EI (IWEI 2012) (pp. 146–160). Harbin, China: Springer.
- 2012: Ferreira, J., Agostinho, C., Sarraipa, João & Jardim-Goncalves, R. (2012) **Monitoring Morphisms to Support Sustainability of Interoperability in the Manufacturing Domain**. In *14th IFAC Symposium on Information Control Problems in Manufacturing (INCOM 2012)*. Bucharest, Romania.
- 2011: Ferreira, J., Agostinho, C., Sarraipa, João & Jardim-Goncalves, R. (2011) **Monitoring morphisms to support sustainable interoperability of enterprise systems**. In *On the Move to Meaningful Internet Systems: OTM 2011 Workshops (EI2N 2011)*. Hersonissos, Greece.
- 2011: Beca, M.F., Agostinho, C., Sarraipa, Joao & Jardim-Goncalves, R. (2011) **Tuple-based Morphisms For E-procurement Solutions**. In *ASME 2011 International Design Engineering Technical Conference & Computers and Information in Engineering Conference (IDETC/CIE 2011)*. Washington, DC, USA.
- 2011: Agostinho, C., Jardim-Goncalves, R. & Steiger-Garcao, Adofo (2011) **Using neighboring domains towards setting the foundations for Enterprise Interoperability science**. In *International Symposium on Collaborative Enterprises (CENT 2011) - 15th World-Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2011*. Orlando, US
- 2011: Lampathaki, F., Koussouris, S., Agostinho, C., Jardim-Goncalves, R., Charalabidis, Y. & Psarras, J. (2011) **Towards an Interoperability Science : Cultivating the Scientific Foundations for Enterprise Interoperability**. In *International Symposium on Collaborative Enterprises (CENT 2011) in the context of The 15th World-Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2011*. Orlando, Florida, USA.

- 2011: Agostinho, C., Sarraipa, João, Gonçalves, D. & Jardim-Goncalves, R. (2011) **Tuple-Based Semantic and Structural Mapping for a Sustainable Interoperability**. In *2nd Doctoral Conference on Computing, Electrical and Industrial Systems (DOCEIS'11)*. Caparica, Portugal: Springer.
- 2010: Jardim-Goncalves, R., Agostinho, C. & Steiger-Garcia, Adolfo (2010) **Sustainable systems' interoperability: A reference model for seamless networked business**. In *2010 IEEE International Conference on Systems Man and Cybernetics (SMC)*, Istanbul, Turkey: IEEE.
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