

Date Submitted: 2018-08-14 11:45:48

Confirmation Number: 850905

Template: Full CV

Dr. Cristina Ruiz Martin

Correspondence language: English

Sex: Female

Date of Birth: 4/24

Canadian Residency Status: Work Permit

Applied for Permanent Residency?: No

Country of Citizenship: Spain

Contact Information

The primary information is denoted by (*)

Address

(*)

330 Metcalfe St Apt 202
Ottawa Ontario K2P1S4
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Telephone

(*)

1-613-6181918

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Personal (*)

cruizm.89@gmail.com

Work

cristinaruizmartin@sce.carleton.ca

Dr. Cristina Ruiz Martin

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	
Spanish; Castilian	Yes	Yes	Yes	Yes	

Degrees

2015/1 - 2018/3	Doctorate, Industrial Engineering/Electrical and Computer Engineering, Cotutelle between Carleton University (Canada) and Universidad de Valladolid (Spain) Degree Status: Completed Thesis Title: A Framework to Study the Resilience of Organizations: a Case Study of a Nuclear Emergency Plan Transferred to PhD without completing Masters?: No Supervisors: Adolfo Lopez Paredes; Gabriel Wainer
2013/9 - 2014/7	Master's Thesis, Industrial Engineering, Universidad de Valladolid Degree Status: Completed Supervisors: Adolfo Lopez Paredes; David Poza
2012/9 - 2013/9	Master's Thesis, Master in Project Management, Universidad de Valladolid Degree Status: Completed Supervisors: David Poza; Adolfo Lopez Paredes
2007/9 - 2013/6	Bachelor's, Industrial Engineering, Universidad de Valladolid Degree Status: Completed Supervisors: Adolfo Lopez Paredes

Credentials

2013/10 - 2018/10	IPMA Level D, Certified Project Management Associate, Project Management Certification Society (Spain) Expertise in Project Management described in the IPMA Competence Base Line ISBN 0-9553213-0-1 Research Disciplines: Management
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Recognitions

2018/5 - 2018/5	SIGSIM PADS 2018 Travel Grants to attend PADS 2018 Conference. Rome, Italy - 1,000 (United States dollar) ACM-SIGSIM Prize / Award
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2017/12 - 2017/12	SIGSIM WSC 2017 Travel Grants to attend Winter Simulation Conference 2017. Arlington, Virginia (USA) - 500 (United States dollar) ACM-SIGSIM Prize / Award
2017/10 - 2017/10	Travel funding to attend INFORMS 2017 Conference. Houston, Texas (USA) - 936 (Euro) Universidad de Valladolid Prize / Award
2017/7	Best Paper Award at IJC17. Area: Strategy and Entrepreneurship International Joint Conference ICIEOM-ADINGOR-IISE-AIM-ASEM, Valencia (Spain) Prize / Award
2016/12 - 2016/12	SIGSIM WSC 2016 Travel Grants to attend Winter Simulation Conference 2016. Arlington, Virginia (USA) - 500 (United States dollar) ACM-SIGSIM Prize / Award
2015/12 - 2015/12	SIGSIM WSC 2015 Travel Grants to attend Winter Simulation Conference 2015. Huntington Beach, California (USA) - 1,000 (United States dollar) ACM-SIGSIM Prize / Award
2015/5 - 2015/5	Travel funding to attend INCOM 2015 Conference. Ottawa (Canada) - 300 (Euro) Universidad de Valladolid Prize / Award
2015/5	Best Doctoral Consortium Paper The 2015 IFAC Symposium on Information Control in Manufacturing. INCOM 2015. Ottawa (Canada) Prize / Award
2013/11	Best Master Dissertation Thesis in Industrial Engineering in the area of Organization Management - 600 (Euro) Michelin Spain and Portugal S.A. Prize / Award

User Profile

Research Specialization Keywords: Agent Based Modeling, Business Analytics, DEVS, Network Theory, Organizational Resilience

Research Disciplines: Computer Engineering and Software Engineering, Industrial Engineering, Management

Areas of Research: Crisis Management, Decision Making

Fields of Application: Organizational Structures

Employment

2013/9 - 2018/7	Instructor Department of Business Management, School of Industrial Engineering, Universidad de Valladolid Tenure Status: Non Tenure Track
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2018/4 - 2018/6	Instructor Development of some explanatory materials, tests and exercises for an online Master in Project Management, BIM and Data Analyst (Taught at Universidad Europea Miguel de Cervantes - Spain) Instructor for the course "Business Intelligence for Small & Medium Enterprises" I developed.
2013/12 - 2014/4	Instructor BPMsat Development of some explanatory materials, tests and exercises for an online Master in Project Management (Taught at Universidad Europea Miguel de Cervantes - Spain)
2013/9 - 2013/12	Instructor BPMsat Development of an on-line course about Strategic Management
2012/10 - 2013/2	Internship Provincial Government of Castilla and Leon. Civil Protection and Emergency Management Unit

Affiliations

The primary affiliation is denoted by (*)

(*) 2018/8	Post Doctoral Fellow, Carleton University Post Doctoral Fellow at the Department of Systems and Computer Engineering under the supervision of Prof. Wainer
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Research Funding History

Awarded [n=2]

2014/4 - 2018/4 Principal Applicant	Research Assistantship Funding Sources: 2014/4 - 2018/4 University of Valladolid Total Funding - 50,000 (Euro) Funding Competitive?: Yes
2012/10 - 2013/7 Principal Applicant	Undergraduate Research Assistantship Funding Sources: Ministerio de Educacion y Ciencia (Spain) Total Funding - 2,700 (Euro) Funding Competitive?: Yes

[n=]

2015/1 - 2017/12 Principal Applicant	Research Assistantship Project Description: Research Assistant under the supervision of Prof. Wainer Funding Sources: 2015/1 - 2017/12 Carleton University Total Funding - 15,000 (Canadian dollar) Funding Competitive?: No
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Courses Taught

2018/02/01 - 2018/06/30	Instructor, Department of Business Management, Universidad de Valladolid Course Title: Economics Engineering (Spanish) The course provide students with methods and techniques to application economic principles in the analysis of engineering decisions Number of Students: 42
2013/09/09 - 2018/06/30	Instructor, Department of Business Management, Universidad de Valladolid Course Title: Managerial Economics (Spanish). The program includes the study of Microeconomics. Both Competitive and Monopolistic markets are studied. It also includes the study of evaluation methods for project selection in firms. Course Level: Undergraduate Number of Students: 50 Guest Lecture?: No
2014/09/04 - 2016/06/30	Instructor, Department of Business Management, Universidad de Valladolid Course Title: Strategic and Project Management (Spanish). Half of the course focuses on Strategic Thinking and methods to develop and evaluate the strategy of a firm. The other half focuses in the study of Project Management using IPMA and PMI standards Course Level: Graduate Number of Students: 20 Guest Lecture?: No
2013/09/04 - 2015/06/30	Instructor, Department of Business Management, Universidad de Valladolid Course Title: Strategic Management (Spanish). The course focuses on Strategic Thinking and methods to develop and evaluate the strategy of a firm. Methods such as Porter's Value Chain, SWOT analysis, different strategic matrix, etc. are explained. Course Level: Undergraduate Number of Students: 41 Guest Lecture?: No
2013/09/04 - 2014/01/19	Instructor, Department of Business Management, Universidad de Valladolid Course Title: Operations Management and Marketing (Spanish). The course provides the students with methods and techniques to select where and how distribute a manufacturing plant, how to plan, to program and control the production, to analyze the market, etc. Course Level: Undergraduate Number of Students: 30 Guest Lecture?: No
2013/09/01 - 2013/06/30	Instructor, Department of Business Management, Universidad de Valladolid Course Title: Human Resources (Spanish)

Course Development

2017/7	Course material developer, Universidad de Valladolid, Social System Engineering Research Centre (INSISOC) Course Title: Business Intelligence for Small and Medium Enterprises (Spanish) On-line course. It is a basic and applied course that explains how to apply Business Intelligence in firms, with special focus in the commercialization area. Its main audience are Managers of Small and Medium Enterprises. The course is managed by the consultant company BPMSat http://www.bpmsat.com/curso-business-intelligence/
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Student/Postdoctoral Supervision

Bachelor's [n=1]

Omar Khan, Carleton University

Project Description: I help supervising the Omar during his summer internship at Prof. Wainer research laboratory

Master's non-Thesis [n=1]

Avneet Behl (Completed) , Carleton University

Project Description: Human behavior can be influenced by social interactions. The study of how human behavior change has applications in different fields such as marketing, military, psychology, robotics, human-machine interface, anthropology, computational sciences, economics or epidemiology. Applying Modeling and Simulation to study human behavior is encouraged to avoid the long waiting times that takes natural observations of desired events. In our study, we provide a model for human social interaction and influence during a product launch using Cell-DEVS formalism, CD++ simulator, Agent-Based Modeling and Bounded Confidence Models. We studied how the size of the market, attributes of an individual and number of people that a human interacts with; can affect human behavior.

Master's Thesis [n=3]

Ifeoluwa Oyelowo (In Progress) , Carleton University

Project Description: Ifeoluwa is currently doing her Master Thesis at Carleton under the supervision of Prof. Wainer. I helped Prof. Wainer supervising Ifeoluwa during her first months of research. I introduced her to the modeling and simulation software used in the lab and supervised her during the first steps of her research.

Eduardo Agenjo (Completed) , Universidad de Valladolid

Project Description: This research project is framed within the Project Management research line at INSISOC research group. It describes the relationship between business maturity models, the dynamic capabilities theory and the economic and financial performance of the organizations. Specifically, it focuses on one of these maturity models, CMMI. Through a literature review, we show that CMMI is theoretically related to the dynamic capabilities model and with other management models. We also find a relationship between the use of CMMI, the generation of dynamic capabilities and other maturity models with the organizations performance. Subsequently, we build a database of economic and financial data of the Spanish firms involved on the programming, consultancy or computer-related sector, which allow us to study the relationship between the use of CMMI and their economic and financial performance in an empirical way.

2016/10 - 2017/5
Co-Supervisor

Manuel Morales Allende (Completed) , Universidad de Valladolid

Student Degree Start Date: 2014/9

Student Degree Received Date: 2017/5

Project Description: The thesis presents a first approximation of a self-assessment tool so organizations can know the level of organizational resilience and the possible organizational pathologies that they may be developing. The objective of the thesis is to propose a basic model of self-evaluation based on the research on organizational resilience and cybernetic organization which have been developed in the last decade in the INSISOC research group.

Event Administration

- 2018/4 - 2019/12 Tack Chair of the Poster Session, Winter Simulation Conference 2019 (WSC2019), Conference, 2019/12 - 2019/12
The responsibilities of the Track Chair include forming a program committee, assigning papers to reviewers, collecting the referee reports, formulating a recommendation to the Program Chair, and organizing the accepted papers into coherent sessions.
- 2018/2 - 2018/12 Program Committee Member, Winter Simulation Conference 2018 (WSC2018), Conference, 2018/12 - 2018/12
Collaborate reviewing papers and select among submissions the subset of papers that are believed to be most adequate for presentation in the conference

Editorial Activities

- 2016/5 - 2017/3 Editor Assistant, In Advances in Management Engineering. Hernández C. Eds. Springer 2017. ISBN: 978-3-319-55888-2, Book
- 2013/7 - 2017/1 Editor Assistant, Managing Complexity: Challenges for Industrial Operations and Management. Hernandez C, Lopez-Paredes A, Perez Rioz, JM Eds. Springer, 2013. ISBN 978-3-319-04704-1, Book

Expert Witness Activities

- 2017/4 - 2017/4 Jury, X National European BEST Engineering Competition (EBEC 2017 Spain), Spain, Valladolid
I served as jury for the Case Study section of the competition. We were a total of three juries in the board. In the Case Study competition, the teams receive a theoretical, problem-solving challenge that requires the analysis, research, deliberation, testing and presentation of a solution for a current economical, legal or social problem. They must provide a solution within a limited amount of time and restricted resources, such as time and money. We evaluate the proposals of the teams and we selected the finalist to represent Spain in the 2017 EBEC Final Round.

Journal Review Activities

- 2018/3 Reviewer, Reliability Engineering and Safety Systems
Number of Works Reviewed / Refereed: 1
- 2017/8 Reviewer, Computers & Operations Research
Number of Works Reviewed / Refereed: 1
- 2016/12 Reviewer, Simulation: Transactions of the Society for Modeling and Simulation International
Number of Works Reviewed / Refereed: 3
- 2014/1 Reviewer, Human Ecological Risk and Assessment (HERA)
Number of Works Reviewed / Refereed: 1

Conference Review Activities

- 2016/4 Reviewer, Winter Simulation Conference. 2016 & 2017 Editions, Double Blind
Number of Works Reviewed / Refereed: 14

2015/5 - 2015/7	Reviewer, 19th IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications, Double Blind Number of Works Reviewed / Refereed: 1
2015/5 - 2015/6	Reviewer, Winter Simulation Conference 2016, Double Blind Number of Works Reviewed / Refereed: 1

Event Participation

Member of the Organizing Committee, XVII Congreso de Ingeniería de Organización(CIO 2013) Valladolid (Spain), Conference, 2013/7 - 2013/7

I helped in the organization of the event (logistics, preparing the materials to give the attendees, registration desk, etc.). After the conference I edited the proceedings.

Student, Third Summer School of the European Social Simulation Association (ESSA 2012), Toulouse (France), Course, 2012/7 - 2012/7

Student, Materials, Energy & Sustainable Growth. NHL University of Applied Sciences. Leeuwarden, Holanda, Course, 2012/3 - 2012/3

I attend a 70 hours course about Materials, Energy & Sustainable Growth. The participant students were selected based on their Bachelor's transcript. I got one of the 10 seats available for students doing their Bachelor at Universidad de Valladolid.

Chair of Conference Session, International Joint Conference. ICIEOM-ADINGOR-IISE-AIM-ASEM (IJC 2017). Valencia. Spain, Conference, 2017/7 - 2017/7

I chair a session in the IJC2017 on Strategy and Entrepreneurship

Community and Volunteer Activities

2014/8 - 2014/8	Volunteer, Castilla and Leon Provincial Government (Spain) I was working as volunteer 15 days in a work-camp in Atapuerca (Burgos, Spain) to recover some natural spaces in the village.
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International Collaboration Activities

2016/2 - 2016/2	Visitor PhD Student, France Visit to the IMS Laboratory, University of Bordeaux. The results of this collaboration were published in Winter Simulation Conference 2016 (Conference Paper C2)
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Committee Memberships

2014/12 - 2016/6	Committee Member, Master of Industrial Engineering committee, Universidad de Valladolid I was the representative of the students that have completed the degree.
2010/9 - 2012/9	Committee Member, Faculty of Industrial Engineering School Board, Universidad de Valladolid I was one of representatives of the students in the Faculty of Industrial Engineering School Board. The School Board is in charge of course time tables, exam periods, budget, etc.

Other Memberships

- 2010/9 - 2012/9 Student Representative, Universidad de Valladolid
I was the student representative of my class during two academic years. These academic years correspond to the fourth and five year of my Bachelor in Industrial Engineering (A five year program)

Presentations

1. (2018). Formal Abstract Modeling of Dynamic Multiplex Networks. SIGSIM Principles of Advanced Discrete Simulation (SIGSIMPADS' 18), Rome, Italy
2. (2017). An architecture to simulate diffusion processes in multiplex dynamic networks. Winter Simulation Conference 2017. PhD Colloquium, Las Vegas, United States
3. (2017). An Evaluation from a Dynamic Capabilities Approach. Presentation of conference paper C1. International Joint Conference - ICIEOM-ADINGOR-IISE-AIM-ASEM (IJC 2017), Valencia, Spain
4. (2016). Cellular Models for Emerging Traffic Behavior. Presentation of Conference Paper C3. Second International Symposium on Cellular Automata Modeling for Urban and Spatial Systems (CAMUSS 2016), Quebec City, Canada
5. (2016). A Hybrid Approach to Study Communication in Emergency Plans. Presentation of Conference Paper C2. Winter Simulation Conference 2016, Arlington, United States
6. (2015). Modeling the Communications in an Emergency Plan with P - DEVS. This is an oral presentation of Poster conference publication C5. Winter Simulation Conference 2015. PhD Colloquium, Huntington Beach, United States
7. (2015). Applying Complex Network Theory to the Assessment of Organizational Resilience. Presentation of Conference Paper C6. INCOM 2015, Ottawa, Canada
8. (2013). Modelling of a Nuclear Emergency Plan: Command Chain Network Analysis. Presentation of Conference Paper C8. The 4th International Conference on Risk Analysis and Crisis Response (RACR 2013), Istanbul, Turkey
9. (2013). Complex Networks Applied to Communication Management in Emergency Crisis. Presentation of Conference Paper C7. 7th International Conference on Industrial Engineering and Industrial Management (CIO 2013), Valladolid, Spain

Publications

Journal Articles

1. Ruiz-Martin C, Wainer G, Lopez-Paredes A. (2018). Assessment of Organizational Resilience through Network Theory. Dirección y Organización. : 39 pages.
First Listed Author
Submitted,
Refereed?: Yes
Number of Contributors: 3
Contribution Percentage: 81-90
Description of Contribution Role: I am the principal author of this paper with the advise of my two co-supervisors based on partial results of my PhD Thesis
Funding Sources: University of Valladolid; Banco Santander

2. Ruiz-Martin C, Lopez-Paredes A, Wainer G. (2018). What we know and do not know about organizational resilience. International Journal of Production Management Engineering. 6(1): 11-28.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 3
Contribution Percentage: 81-90
Description of Contribution Role: I am the principal author of this paper with the advise of my two co-supervisors based on partial results of my PhD Thesis
Funding Sources: University of Valladolid; Banco Santander
3. Ruiz-Martín C, Wainer G, Lopez-Paredes A. (2018). Discrete Event Simulation of Diffusion Processes in Multiplex Dynamic Networks. TOMACS. : 40 pages.
First Listed Author
Submitted,
Refereed?: Yes
Number of Contributors: 3
Contribution Percentage: 81-90
Description of Contribution Role: I am the principal author of this paper with the advise of my two co-supervisors based on partial results of my PhD Thesis
Funding Sources: University of Valladolid; Banco Santander
4. Morales Allende M*, Ruiz-Martin C, Lopez-Paredes A, Perez Ríos J. (2017). (Original Research) Aligning Organizational Pathologies and Organizational Resilience Indicators. International Journal of Production Management and Engineering. 5(2): 107-116.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 4
Contribution Percentage: 51-60
Description of Contribution Role: I was in charge of writing the whole paper. Section 5 discuss research done by a Master student I co-supervised. I am the corresponding author.
Funding Sources: University of Valladolid; Banco Santander
5. Ruiz Martín C, González Álvarez JL, Ramírez Ferrero M, López Paredes A. (2015). (Original Research) Modelling a Nuclear Emergency Plan: Communication Management. Human and Ecological Risk Assessment: An International Journal. 21(5): 1152 - 1168.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 4
Contribution Percentage: 71-80
Description of Contribution Role: This paper presents results of my Bachelor's Honors Project in Industrial Engineering. This paper is an extended version of the one presented in RACR 2013 conference. I was in charge of extending the paper.

- [6.](#) Ruiz-Martin C, Poza D. (2015). (Original Research) Project Configuration by means of Network Theory. International Journal of Project Management. 33(8): 1755-1767.
 First Listed Author
 Published,
 Refereed?: Yes
 Number of Contributors: 2
 Contribution Percentage: 71-80
 Description of Contribution Role: This paper presents the results of my Master Thesis. It was written under the supervision of Dr. Poza (one of my co-supervisors)
 Funding Sources: BPMSat; Banco Santander; Universidad de Valladolid

Book Chapters

- [1.](#) Ruiz-Martin C, Pérez Rios JM, Wainer G, Pajares J, Hernandez C, Lopez-Paredes A. (2017). The Application of the Viable System Model to Enhance Organizational Resilience. Hernandez C Eds. In Advances in Management Engineering. : 95-107.
 First Listed Author
 Published, Springer,
 Refereed?: No
 Number of Contributors: 6
 Contribution Percentage: 71-80
 Description of Contribution Role: I am the principal author of this paper with the advise of my two co-supervisors and the others co-authors.
 Funding Sources: University of Valladolid; Banco Santander

Dissertations

1. A Framework to Study the Resilience of Organizations: a Case Study of a Nuclear Emergency Plan. (2018). Carleton University. Doctorate. Supervisor: Gabriel Wainer, Adolfo López Paredes
 Contribution Percentage: 91-100
2. A Dynamic Capability Analysis of the Enterprise Management Systems and the Organization's Maturity Models (Spanish). (2014). Universidad de Valladolid. Master's Thesis.
 Number of Pages: 82 Supervisor: Adolfo Lopez Paredes, David Poza
 Contribution Percentage: 91-100
 Description of Contribution Role: This is my Master Thesis dissertation in Industrial Engineering (Master level of the European Education Common Framework)
3. An Analysis of IPMA and PMI Project Management Models based on Network Theory (Spanish). (2013). Universidad de Valladolid. Master's Thesis.
 Number of Pages: 137 Supervisor: Adolfo Lopez Paredes, David Poza
 Contribution Percentage: 91-100
 Description of Contribution Role: This is my Master in Project Management dissertation
4. An Organizational Model for Emergency Management (Spanish). (2013). Universidad de Valladolid. Bachelor's.
 Number of Pages: 184 Supervisor: Adolfo Lopez Paredes
 Contribution Percentage: 91-100
 Description of Contribution Role: This is my Bachelor's in Industrial Engineering Honors Project. *The Bachelor's in Industrial Engineering is a 5 year program

Online Resources

1. First Listed Author. Cristina Ruiz-Martín Gabriel Wainer Adolfo López-Paredes. Artifacts associated to the paper Formal Abstract Modeling of Dynamic Multiplex Networks. Proceedings of SIGSIM Principles of Advanced Discrete Simulation (SIGSIMPADS' 18). (2018).
 Number of Contributors: 3
 Contribution Percentage: 91-100
 Description of Contribution Role: I am the principal author of the artifacts with the advise of my two cosupervisors. They belong to the artifacts generated in my PhD Thesis
 Description / Contribution Value: The artifacts in the paper has been evaluated functional, reusable and available according to ACM initiative (<https://www.acm.org/publications/policies/artifact-review-badging>)

Conference Publications

1. Avneet Behl Gabriel Wainer Cristina Ruiz-Martin. CELL-DEVS: An Approach to Model the Influence of Social Interactions in Human Behavior. Summer Simulation Multi-Conference 2018 (SummerSim'18), Bordeaux, France,
 Conference Date: 2018/7
 Paper
 Last Author
 Accepted
 Refereed?: Yes, Invited?: No
 Number of Contributors: 3
 Contribution Percentage: 21-30
 Description of Contribution Role: I helped Avneet Behl to write the paper and to review the proposed model.
2. Cristina Ruiz-Martin Gabriel Wainer Adolfo Lopez-Paredes. (2018). Formal Abstract Modeling of Dynamic Multiplex Networks. Proceedings of SIGSIM Principles of Advanced Discrete Simulation (SIGSIMPADS' 18). ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (PADS) 2018, Rome, Italy. ACM, United States
 Conference Date: 2018/5
 Paper
 First Listed Author
 Published
 Refereed?: Yes, Invited?: No
 Contribution Percentage: 91-100
 Description of Contribution Role: I am the principal author of this paper with the advise of my two co-supervisors based on partial results of my PhD Thesis
3. Agenjo E*, Martín-Cruz N, Ruiz-Martin C, Lopez-Paredes A. (2017). The Impact of CMMI Implementation on the Firm Performance. An Evaluation from a Dynamic Capabilities Approach. International Joint Conference. ICIEOM-ADINGOR-IISE-AIM-ASEM (IJC 2017) Valencia (Spain), ,
 Conference Date: 2017/7
 Paper
 Co-Author
 In Press
 Refereed?: Yes, Invited?: No
 Number of Contributors: 4
 Contribution Percentage: 21-30
 Description of Contribution Role: This paper was based on the Master Thesis of a student I co-supervised. I wrote the whole paper based on his Master Thesis (in Spanish). The paper was selected for publishing an extended version in International Journal of Production Management Engineering

4. Ruiz-Martin C, Bouanan Y*, Wainer G, Zacharewicz G, Lopez-Paredes A. (2016). A Hybrid Approach to Study Communication in Emergency Plans. Proceedings of the Winter Simulation Conference 2016. Arlington Virginia (USA), ,
Conference Date: 2016/12
Paper
First Listed Author
Published
Refereed?: Yes, Invited?: Yes
Number of Contributors: 5
Editors: Roeder TMK, Frazier PI, Szechtman R, Zhou E, Huschka T, Chick SE
Contribution Percentage: 41-50
Description of Contribution Role: This paper was a collaboration with a PhD student in the IMS laboratory (Bordeaux). I provided a case study for the application of and architecture he develop. We jointly worked in the application of his architecture to my case study. We jointly wrote sections 1, 2, 5 and 6. I was in charge of section 4 and he was in charge of section 3.
Funding Sources: University of Valladolid; SICOMORES Project (French DGA); Banco Santander
5. Wainer G, Ruiz-Martin C, Lopez-Paredes A. (2016). Cellular Models for Emerging Traffic Behaviour. Proceedings of 2nd International Symposium on Cellular Automata Modeling for Urban and Spatial Systeme. (CAMUSS 2016) Quebec City (Canada), (122-140),
Conference Date: 2016/9
Paper
Co-Author
Published
Refereed?: Yes, Invited?: No
Number of Contributors: 3
Editors: Mostafavi M, Norte Pinto N
Contribution Percentage: 31-40
Description of Contribution Role: This paper was based on an assignment I and other students did for a course of Prof. Wainer. I related all the assignments and wrote the paper to show the applications of cell-devs to model traffic behavior with the advise of my two co-supervisors.
Funding Sources: University of Valladolid; Banco Santander
6. Ruiz-Martín C, Wainer G, Pérez Ríos JM, Pajares J, Hernández C, López-Paredes A. (2016). Organizational Resilience in Practice: the Viable System Model. Book of Proceedings of the CIO-ICIEOM-IIE-AIM 2016. International Joint Conference (IJC2016), ,
Conference Date: 2016/7
Poster
First Listed Author
Published
Refereed?: Yes, Invited?: No
Number of Contributors: 6
Contribution Percentage: 61-70
Description of Contribution Role: Adolfo Lopez-Paredes and I developed the idea of relating resilient and viable organizations. Based on this relation, we proposed the application of the viable system model to design resilient organizations.
Funding Sources: University of Valladolid; Banco Santander

7. Ruiz-Martin C, Wainer G, Lopez-Paredes A. (2015). Modeling the Communications in an Emergency Plan with P-DEVS. Proceedings of the Winter Simulation Conference 2015. Huntington Beach, California (USA), (3086 - 3087),
Conference Date: 2015/12
Poster
First Listed Author
Published
Refereed?: Yes, Invited?: No
Number of Contributors: 3
Editors: Yilmaz L, Chan WKV, Moon I, Roeder TMK, Macal C, Rossetti MD.
Contribution Percentage: 81-90
Description of Contribution Role: I wrote this paper with the advise of my two co-supervisors based on partial results of my PhD thesis.
Funding Sources: University of Valladolid; Banco Santander
8. Ruiz-Martin C, Lopez-Paredes A, Wainer G. (2015). Applying Complex Network Theory to the Assessment of Organizational Resilience. IFAC-Papers OnLine, Volume 48, Issue 3. INCOM 2015, Ottawa (Canada), (1224-1229),
Conference Date: 2015/5
Paper
First Listed Author
Published
Refereed?: Yes, Invited?: No
Number of Contributors: 3
Contribution Percentage: 81-90
Description of Contribution Role: I wrote this paper with the advise of my two co-supervisors based on partial results of my PhD thesis.
Funding Sources: University of Valladolid; Banco Santander
9. Ruiz-Martín C, Ramírez Ferrero M, González Álvarez JL, Poza D. (2014). Complex Networks Applied to Communication Management in Emergency Crisis. Managing Complexity: Challenges for Industrial Operations and Management. Springer. 7th International Conference on Industrial Engineering and Industrial Management (CIO 2013) Valladolid (Spain), (317-324),
Conference Date: 2013/7
Paper
First Listed Author
Published
Refereed?: Yes, Invited?: No
Number of Contributors: 4
Editors: Iglesias Hernández C, López-Paredes A, Pérez Ríos JM
Contribution Percentage: 71-80
Description of Contribution Role: This paper was based on the results of my Bachelor's Honors Project in Industrial Engineering.

- [10.](#) Ruiz-Martín C, González Álvarez JL, Ramírez Ferrero M, López Paredes A. (2013). Modelling of a Nuclear Emergency Plan: Command Chain Network Analysis. Intelligent Systems and Decision Making for Risk Analysis and Crisis Response. The 4th International Conference on Risk Analysis and Crisis Response (RACR 2013) Istanbul. Turkey, ,
Conference Date: 2013/8
Paper
First Listed Author
Published
Refereed?: Yes, Invited?: No
Number of Contributors: 4
Editors: Huang C, Kahraman C
Contribution Percentage: 71-80
Description of Contribution Role: This paper was based on the results of my Bachelor's Honors Project in Industrial Engineering.
- [11.](#) Ramirez Ferrero M, Ruiz Martín C, González Álvarez JL, López Paredes A. (2013). Modelling of a Nuclear Emergency Plan: A System of Systems Approach. IEEE 8th Annual System of Systems Conference (SoSE 2013). Maui, Hawaii (USA), (87- 92),
Conference Date: 2013/5
Paper
Co-Author
Published
Refereed?: Yes, Invited?: No
Number of Contributors: 4
Contribution Percentage: 51-60
Description of Contribution Role: This paper was based on the results of my Bachelor's Honors Project in Industrial Engineering.