

## CV Resume



Name: Dr. Josué Antonio Nescolarde Selva  
Citizenship: Spanish citizen  
Date of birth: 08/04/1977  
ResearcherID: L-5138-2014

### Affiliation

Professor Contratado Doctor (Contracted Doctor).  
Department of Applied Mathematics.  
Deputy director (Associate Dean) of Postgraduate, Communication and Student. Polytechnic School.  
University of Alicante, Spain.  
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### Career

- Since October 2012 until now. Profesor Contratado Doctor (Contracted Doctor: Associate Professor). Department of Applied Mathematics. University of Alicante. Spain.
- From September 2016 to December 2016. Visiting Associate Professor. School of Mathematics and Statistics. Northeast Normal University. Changchun. China.
- From March 2016 to June 2016. Visiting Associate Professor. School of Mathematics and Statistics. Northeast Normal University. Changchun. China.
- From August 2007 to October 2012. Profesor Colaborador (Collaborator Professor). Department of Applied Mathematics. University of Alicante. Spain.
- From February 2002 to August 2007. Profesor Asociado (Lecturer). Department of Applied Mathematics. University of Alicante. Spain.
- From January 2000 to February 2002. Teaching Assistant (Ph.D. student). Department of Applied Mathematics. University of

Alicante. Spain.

- From September 1998 to July 1999. Undergraduate Teaching Assistant (Undergraduate student). Department of Differential Equations. University of Havana. Cuba.

### **Awards**

- 2017. Researcher of the University of Alicante with the largest number of scientific publications indexed in the Web of Science (WoS) in 2015.
- 2016. Most valued professor in the degree in Telecommunication Engineering of the Polytechnic School (University of Alicante) in the academic year 2015/2016.
- 2014. Most valued professor in the degree in Telecommunication Engineering of the Polytechnic School (University of Alicante) in the academic year 2013/2014.
- 2013. Most valued professor in the degree in Telecommunication Engineering of the Polytechnic School (University of Alicante) in the academic year 2012/2013.
- 2000. PhD Scholarship in Mathematics. Secretariat for Relations with Latin America. University of Alicante. Spain.
- 1999. Gold title: B. Mathematics. University of Havana, Havana. Cuba.
- 1999. Special mention to the best academic record. B. Mathematics. University of Havana, Havana. Cuba.
- 1994. Silver Medal. National Physics Olympiad, held in Havana on May 10. Cuba.
- 1993. Bronze Medal. National Mathematics Olympiad, held in Havana on May 19. Cuba.
- 1993. Silver Medal. National Physics Olympiad, held in Havana on May 12. Cuba.

### **Grants**

- Since 2016 to 2018. Extraction of knowledge for semantic enrichment of Digital Entities. (TIN2015-65136-C2-2-R. 115071 euros)
- Since 2016 to 2018. Finding attractors: an innovative approach to the analysis of the influence of ICT in the Spanish tourist system. (GRE15-13. 10690 euros)
- Since 2006 until 2015/2016. Systemic, Cybernetic and optimization. (VIGROB-117. 5744 euros)

- Since 2015 to 2016. Research and development strategies for inaccurate computing systems mobile cloud computing. (CETEL1-15I. 21364 euros)
- Since 2014 to 2015. Design of architectures of efficient systems processing cloud-computing. (CETEL1-14I. 27684 euros)
- Since 2013 to 2014. Design of architectures of efficient systems processing cloud-computing II. (CETEL1-13I. 29397 euros)

### **Teaching experience**

- 2011/2012 until now. Mathematics II: Probability and stochastic processes & Statistics, Complex variable, Partial differential equations.
- 2010/2011 until 2016/2017. Mathematics I: Calculus II and Differential Equations.
- 2016/2017. Mathematical Statistics (School of Mathematics and Statistics. Northeast Normal University. Changchung. China)
- 2015/2016. Business Calculus (undergraduate) (School of Economy. Northeast Normal University. Changchung. China)
- 2015/2016. Biomathematics (postgraduate) (School of Mathematics and Statistics. Northeast Normal University. Changchung. China)
- 2010/2011 until 2014/2015. Basic Mathematics. Complex Numbers, Calculus I, Algebra.
- 2011/2012. Supplements for Mathematics Education. History of Mathematics. Master Degree in Secondary Education.
- 2010/2011. Mathematical Foundations III: Numerical Analysis and Probability and stochastic processes & Statistics.
- 2009/2010. Mathematics: Calculus I and Algebra.
- 2001/2002 until 2009/2010. Mathematical Foundations I: Complex Numbers, Calculus I and II, Algebra.
- 2005/2006 until 2008/2009. Mathematical Foundations II: Complex variable, Partial differential equations.
- 2000/2001 until 2008/2009. Linear Algebra and Abstract Algebra.
- 2000/2001. Fundamentals of Applied Mathematics: Calculus I and Algebra.
- 1999/2000. Extending Fundamentals of Applied Mathematics: Calculus II and Algebra.

- 1998/1999. Mathematics: Calculus II.

#### **Participation in projects for innovations in teaching**

- Since 2013/2014. Name of the project: Coordinating Network Tutorial Action Plan at the Polytechnic School. University of Alicante.
- 2014/2015. Name of the project: Coordination and monitoring of the course of Basic Mathematics and Mathematics II.
- 2013/2014. Name of the project: Coordination powers signal processing and communications Undergrade+Graduate in Telecommunication Engineering.
- 2013/2014. Name of the project: Coordination and monitoring of the course of Basic Mathematics and Mathematics II.
- 2012/2013. Name of the project: Coordination and monitoring of the course of Basic Mathematics and Mathematics II.
- 2011/2012. Name of the project: Coordination and monitoring of the course of Basic Mathematics and Mathematics II.
- 2007/2008. Name of the project: Mathematical Foundations II.
- 2007/2008. Name of the project: Linear Algebra.
- 2006/2007. Name of the project: Mathematical Foundations I.

#### **Experience with academic administration**

- Since 2016/2017. Deputy director (Associate Dean) of Postgraduate, Communication and Student. Polytechnic School. University of Alicante.
- From June 2013 to June 2017. Academic Coordinator of Communication and Student. Polytechnic School. University of Alicante.
- From June 2013 to June 2017. Chief postgraduate studies. Polytechnic School. University of Alicante.
- Since 2010/2011. Coordinator of the course Basic Mathematics.
- Since 2010/2011. Coordinator of the course Mathematics II.
- Since 2009/2010. Academic Coordinator of Mathematics on the University Entrance Examinations for over-25s.

#### **Areas of expertise**

Applied Mathematics: Complex systems, Data Science, Mathematical Biology, Social systems modelling.

### Qualifications

2010 Ph.D. Mathematics. University of Alicante, Alicante. Spain.

1999 B.Sc. Mathematics. University of Havana, Havana. Cuba.

### Experience as academic Editor and Reviewer

- 2018. Associate Editor for the journal *Kybernetes*. Ed. Emerald insight.
- 2018. Guest Editor. Special Issue: "Biocomplexity: Theory, Modelling and Applications". *Ecological Complexity*. Ed. Elsevier.
- 2018. Guest Editor: Special Issue: "Unintended Consequences". *Kybernetes*. Ed. Emerald insight.
- 2017. Guest Editor: Special Issue: "Complex Social Systems: Theory and Practice". *Systems*. Ed. MDPI.
- Since 2016. Editor for the journal *Systems*. Ed. MDPI.
- 2016. Reviewer for the journal *Minds and Machines*. Ed. Springer.
- 2016. Guest Editor: Special Issue: Belief Systems. *Foundations of Science*. Ed. Springer.
- 2015. Reviewer for the journal *Systems*. Ed. MDPI.
- Since 2015. Reviewer for the *IEEE Systems Journal*.
- 2015. Reviewer of the journal *Ecological Modelling*. Ed. Elsevier.
- 2015. Guest Editor-in-Chief: Special Issue: Belief Systems in Science and Engineering. *Cybernetics and Systems*. Ed. Taylor and Francis.
- Since 2014. Reviewer: Mathematical Reviews. American Mathematical Society (AMS).
- 2014. Reviewer of the *International Journal of Web Information Systems*.
- 2013. Reviewer of the journal *Axiomathes*. Ed. Springer.
- 2013. Reviewer of the journal *Kybernetes*. Ed. Emerald insight.
- 2011. Reviewer and Associate Editor of *The International Journal of Science in Society*. Ed. Common Ground Publishing.

### Selected publications

#### List of publications on Science Citation Index

1. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Lloret-Climent, M.; González-Franco, L. (2018). Spatial model of a pyrophyte shrub in mediterranean terrestrial ecosystems. Major revision. *Ecological Modelling*.
2. Nescolarde-Selva, J.; Usó-Doménech, J. L.; Lloret-Climent, M. (2018). Impure systems and ecological models (II): components and thermodynamics. Minor revision. *Foundations of Science*.
3. Nescolarde-Selva, J.; Gash, H.; Usó-Doménech, J. L. (2018). What are unintended and adverse consequences?. *Kybernetes*. InPress. To appear soon on Science Citation Index.
4. Lloret-Climent, M.; Nescolarde-Selva, J.; Mora-Mora, H.; Signes-Pont, M. T. (2018). A new network perspective in the study of labour markets. *Mathematical Methods in the Applied Sciences*. 41(6). pp. 2261-2268. To appear soon on Science Citation Index.
5. Usó-Doménech, J. L.; Nescolarde-Selva, J. A. Lloret-Climent, M.; González-Franco, L. (2018). Behavior of pyrophyte shrubs in mediterranean terrestrial ecosystems: population and reproductive model. *Mathematical Biosciences*. 297, pp. 58-77. To appear soon on Science Citation Index.
6. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Belmonte-Requena, M.; Segura-Abad, L. (2017). Mathematics, Philosophical and Semantic Considerations on Infinity (II): Dialectical Vision. *Foundations of Science*. 22(3). pp. 655-674.
7. Nescolarde-Selva, J.; Usó-Doménech, J. L.; ; Gash, H. (2017). Structure and Superstructures in Complex Social Systems. *Systems*. 5(2), 28, pp. 1-10.
8. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Lloret-Climent, M. (2017). Impure Systems and Ecological Models (I): Axiomatization. *Foundations of Science*. DOI:10.1007/s10699-017-9522-2. InPress. To appear soon on Science Citation Index.
9. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Lloret-Climent, M. (2017). Causality in Complex Systems. *Kybernetes*. 46(4). pp. 590-602.
10. Nescolarde-Selva, J.; Usó-Doménech, J. L.; ; Gash, H. (2017). What Are Ideological Systems? *Systems*. 5(1), 21, pp. 1-17.
11. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Segura-Abad, L. (2017). Dialectical Multivalued Logic and Probabilistic Theory. *Mathematics*. 5(1), 15, pp. 1-10.
12. Poveda-Martínez, P.; Peral-Orts, R.; Campillo-Davo, N.; Nescolarde-Selva, J.; Lloret-Climent, M.; Ramis-Soriano, J. (2017).

- Study of the effectiveness of electric vehicle warning sounds depending on the urban environment. *Applied Acoustics*. 116, pp. 317-328.
13. Alonso-Stenberg, K.; LLoret-Climent, M.; Nescolarde-Selva, J. (2016). Causal analysis of databases concerning electromagnetism and health. *Systems*. 4(4), 39, pp. 1-9.
  14. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Segura-Abad, L. (2016). Proposal for the formalization of dialectical logic. *Mathematics*. 4(4), 69, pp. 1-11.
  15. Usó-Doménech, J. L.; Nescolarde-Selva, J.; LLoret-Climent, M.; Meng, F. (2016). Semiotic open systems: processes and behaviours. *Complexity*. 21(S2). pp. 388-396.
  16. Nescolarde-Selva, J.; Usó-Doménech, J.L.; Lloret-Climent, M. (2016). Stability, sensitivity and uncertainty rates in the flow equations of ecological models. *Ecological Complexity*. 28. pp. 62-68.
  17. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Belmonte-Requena, M. (2016). Mathematics, philosophic and semantical considerations on infinity (I): general concepts. *Foundations of Science*. 21(4). pp. 615-630. To appear soon on Science Citation Index.
  18. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Lloret-Climent, M. (2016). Complex impure systems: Sheaves, freeways, and chains. *Complexity*. 21(S1). pp. 387-400.
  19. Usó-Doménech, J. L.; Nescolarde-Selva, J.; LLoret-Climent, M.; Meng, F. (2016). Synonymy relationship and stochastic processes in determination of flow equations in ecological models. *Ecological Complexity*. 26. pp. 79-88.
  20. Usó-Doménech, J. L.; Nescolarde-Selva, J.; LLoret-Climent, M.; Gash, H. (2016). Semantics of language for ecosystems modelling: a model case. *Ecological Modelling*. 328. pp. 85-94.
  21. Usó-Doménech, J.L.; Nescolarde-Selva J. (2016). What are belief systems?. *Foundations of Science*. 21(1). pp. 147-152.
  22. Nescolarde-Selva, J. and Usó-Doménech, J. L. (2016). Textual theory and complex belief systems: topological theory. *Foundations of Science*. 21(1). pp. 153-175.
  23. Perez-Gonzaga, S.; Lloret-Climent, M.; Nescolarde-Selva, J. (2016). Invariability, orbits and fuzzy attractors. *International Journal of General Systems*. 45(1). pp. 29-40.
  24. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Lloret-Climent, M. (2015). "Unintended-Effects": A theorem for complex systems. *Complexity*. 21(2). pp. 342-354.

25. Nescolarde-Selva, J.; Usó-Doménech, J.L.; Lloret-Climent, M. (2015). Ideological Complex Systems: Mathematical Theory. *Complexity*. 21(2). pp. 47-65.
26. Nescolarde-Selva, J.; Usó-Doménech, J.L.; Gash, H. (2015). A logic-mathematical point of view of the truth: Reality, perception, language. *Complexity*. 20(4). pp. 58-67.
27. Lloret-Climent, M.; Pérez-Gonzaga, S.; Usó-Doménech, J. L.; Nescolarde-Selva, J. (2015). Fuzzy structure of complex belief systems: fuzzy relations and fuzzy belief sets. *Cybernetics and Systems*. 46(6-7). pp. 452-469.
28. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Gash, H. (2015). Belief systems and science. *Cybernetics and Systems*. 46(6-7). pp. 379-389.
29. Nescolarde-Selva, J.; Usó-Doménech, J. L.; Gash, H. (2015). Language, values and ideology in complex human societies. *Cybernetics and Systems*. 46(6-7). pp. 390-422.
30. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Belmonte-Requena, M.; Gash, H. (2015). Walking through Cantor's paradise and Escher's garden: epistemological reflections on mathematical infinite (I). *Cybernetics and Systems*. 46(6-7). pp. 423-437.
31. Nescolarde-Selva, J.; Usó-Doménech, J. L.; Belmonte-Requena, M.; Gash, H. (2015). Walking through Cantor's paradise and Escher's garden: epistemological reflections on mathematical infinite (II). *Cybernetics and Systems*. 46(6-7). pp. 438-451.
32. Nescolarde-Selva, J.; Usó-Doménech, J.L. and Sabán, M.J. (2015). Linguistic knowledge of Reality: a metaphysical impossibility?. *Foundations of Science*. 20(1). pp. 27-58.
33. Nescolarde-Selva, J.; Usó-Doménech, J. L.; Lloret-Climent, M. González-Franco, L. (2015). Chebanov law and Vakar formula in mathematical models of complex systems. *Ecological Complexity*. 21. pp. 27-33.
34. Nescolarde-Selva, J.; Usó-Doménech, J.L.; Lloret-Climent, M. (2015). Mythical Systems: Mathematic and Logical Theory. *International Journal of General Systems*. 44(1). pp. 76-97.
35. Lloret-Climent, M.; Amorós-Jiménez, R.; González-Franco, L.; Nescolarde-Selva J. A. (2014). Coverage and invariance for the biological control of pests in mediterranean greenhouses. *Ecological Modelling*. 292. pp. 37-44.
36. Usó-Doménech, J.L. and Nescolarde-Selva, J. (2014). Revealing the face of Isis. *Foundations of Science*. 19 (3). pp. 311-318.



37. Nescolarde-Selva, J. and Usó-Doménech, J.L. (2014). Myth, language and complex ideologies. *Complexity*. 20(2). pp. 63-81.
38. Nescolarde-Selva, J.; Usó-Doménech, J.L.; Gash, H. (2014). A theoretical point of view of Reality, Perception and Language. *Complexity*. 20 (1). pp. 27-37.
39. Lloret-Climent, M; Nescolarde-Selva, J; Pérez-Gonzaga, S. (2014). Coverage and invariability in fuzzy systems. *International Journal of General Systems*, 43 (1). pp. 96-104.
40. Lloret-Climent, M, and Nescolarde-Selva, J. (2014). Data analysis using circular causality in networks. *Complexity*. 19 (4). pp. 15-19.
41. Nescolarde-Selva, J. and Usó-Doménech, J.L. (2014). Semiotic vision of ideologies. *Foundations of Science*. 19 (3). pp. 263-282.
42. Nescolarde-Selva, J. and Usó-Doménech, J.L.(2014). Model, meta-model and topology. *Foundations of Sciences*. 19 (3). pp. 285-288.
43. Nescolarde-Selva, J. and Usó-Doménech, J.L. (2014). Reality, System and Impure Systems. *Foundations of Science*. 19 (3). pp. 289-306.
44. Usó-Doménech, J.L and Nescolarde-Selva, J.L. (2013). An introduction to Alysidal Algebra IV. *Kybernetes*, 42(8). pp. 1235-1247.
45. Nescolarde-Selva, J.and Usó-Doménech, J.L. (2013). An introduction to Alysidal Algebra V: Phenomeological components. *Kybernetes*. 42(8). pp. 1248-1264.
46. Nescolarde-Selva, J. and Usó-Doménech, J.L. (2013). Topological Structures of Complex Belief Systems (II): Textual Materialization. *Complexity*. 19 (2). pp. 50-62.
47. Nescolarde-Selva, J. and Usó-Doménech, J.L. (2013). Topological Structures of Complex Belief Systems. *Complexity*, 19 (1). pp. 16-62.
48. Nescolarde-Selva, J. and Usó-Doménech. J.L. (2012). An introduction to Alysidal Algebra III. *Kybernetes*, 41 (10). pp. 1638-1649.
49. Nescolarde-Selva, J.; Vives Maciá, F.; Usó-Doménech, J.L.; Berend, D. (2012). An introduction to Alysidal Algebra II. *Kybernetes*, 41(5/6). pp. 780-793.
50. Nescolarde-Selva, J.; Vives Maciá, F.; Usó-Doménech, J.L.; Berend, D. (2012). An introduction to Alysidal Algebra I. *Kybernetes*,

41(1/2). pp. 21-34.

### Complete list of Publications

1. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Lloret-Climent, M.; González-Franco, L. (2018). Spatial model of a pyrophyte shrub in mediterranean terrestrial ecosystems. Major revision. *Ecological Modelling*.
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4. Lloret-Climent, M.; Nescolarde-Selva, J.; Mora-Mora, H.; Signes-Pont, M. T. (2018). A new network perspective in the study of labour markets. *Mathematical Methods in the Applied Sciences*. 41(6). pp. 2261-2268.
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6. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Belmonte-Requena, M.; Segura-Abad, L. (2017). Mathematics, Philosophical and Semantic Considerations on Infinity (II): Dialectical Vision. *Foundations of Science*. 22(3). pp. 655-674.
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14. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Segura-Abad, L. (2016). Proposal for the formalization of dialectical logic. *Mathematics*. 4(4), 69, pp. 1-11.
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16. Nescolarde-Selva, J.; Usó-Doménech, J.L.; Lloret-Climent, M. (2016). Stability, sensitivity and uncertainty rates in the flow equations of ecological models. *Ecological Complexity*. 28. pp. 62-68.
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18. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Lloret-Climent, M. (2016). Complex impure systems: Sheaves, freeways, and chains. *Complexity*. 21(S1). pp. 387-400.
19. Usó-Doménech, J. L.; Nescolarde-Selva, J.; LLoret-Climent, M.; Meng, F. (2016). Synonymy relationship and stochastic processes in determination of flow equations in ecological models. *Ecological Complexity*. 26. pp. 79-88.
20. Usó-Doménech, J. L.; Nescolarde-Selva, J.; LLoret-Climent, M.; Gash, H. (2016). Semantics of language for ecosystems modelling: a model case. *Ecological Modelling*. 328. pp. 85-94.
21. Usó-Doménech, J.L.; Nescolarde-Selva J. (2016). What are belief systems?. *Foundations of Science*. 21(1). pp. 147-152.
22. Nescolarde-Selva, J. and Usó-Doménech, J. L. (2016). Textual theory and complex belief systems: topological theory. *Foundations of Science*. 21(1). pp. 153-175.
23. Perez-Gonzaga, S.; Lloret-Climent, M.; Nescolarde-Selva, J. (2016). Invariability, orbits and fuzzy attractors. *International Journal of General Systems*. 45(1). pp. 29-40.

24. Usó-Doménech, J.L.; Nescolarde-Selva, J.; LLoret-Climent, M.; González-Franco, L. (2016). Mathematical Model of Reproductive Behaviour of Mediterranean Bushes: *Cistus albidus* L Case. *American Journal of Systems and Software*. 4(2). pp. 46-50.
25. Nescolarde-Selva, J.; Usó-Doménech, J. L.; Meng, F. (2016). Transport of Atmospheric Pollutants in West Mediterranean Areas: Mathematical Model. *American Journal of Systems and Software*. 4(2). pp. 40-45.
26. Usó-Doménech, J. L.; Nescolarde-Selva, J.; LLoret-Climent, M.; Meng, F. (2016). Diversity for Texts Builds in Language L(MT) II: Indexes Based in Abundances. *American Journal of Systems and Software*. 4(2). pp. 32-39.
27. Usó-Doménech, J.L.; Nescolarde-Selva, J.; LLoret-Climent, M.; González-Franco, L. (2016). An Ecological Model for Predicting Behaviour of Mediterranean Shrublands. *American Journal of Systems and Software*. 4(1). pp. 1-13.
28. Usó-Doménech, J. L; Nescolarde-Selva, J.; Lloret-Climent, M. (2015) “Unintended-Effects”: A theorem for complex systems. *Complexity*. 21(2). pp. 342-354.
29. Nescolarde-Selva, J.; Usó-Doménech, J.L.; Lloret-Climent, M. (2015). Ideological Complex Systems: Mathematical Theory. *Complexity*. 21(2). pp. 47-65.
30. Usó-Doménech, J.L.; Nescolarde-Selva, J.; LLoret-Climent, M. (2015). Syntactic and Semantic Relationships in Models of Complex Systems: An Ecological Case. *American Journal of Systems and Software*. 3(4). pp. 73-82.
31. Nescolarde Selva, J.; Usó-Doménech, J. L. (2015). Ideological systems and its validation: a neutrosophic approach. *Neutrosophic Sets and Systems*. 9. pp. 31-43.
32. Nescolarde-Selva, J.; Usó-Doménech, J.; Alonso-Stenberg, K. (2015). “An Approach to Paraconsistent Multivalued Logic: Evaluation by Complex Truth Values”, in J.-Y.Beziau, M.Chakraborty and S.Dutta (eds), *New Directions in Paraconsistent Logic*, Springer. Vol. 152. pp. 147-163.
33. Nescolarde-Selva, J.; Usó-Doménech, J. L. (2015). Culture and World Vision: The Cognitive Mythical Mode. *American Journal of Systems and Software*. 3(3). pp. 55-63.
34. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Sabán, M. (2015). Theory of systems, systems metaphysics and Neoplatonism. *American Journal of Systems and Software*. 3(2). pp. 36-43.

35. Nescolarde-Selva, J.; Usó-Doménech, J.L.; Gash, H. (2015). A logic-mathematical point of view of the truth: Reality, perception, language. *Complexity*. 20(4). pp. 58-67.
36. Lloret-Climent, M.; Pérez-Gonzaga, S.; Usó-Doménech, J. L.; Nescolarde-Selva, J. (2015). Fuzzy structure of complex belief systems: fuzzy relations and fuzzy belief sets. *Cybernetics and Systems*. 46(6-7). pp. 452-469.
37. Usó-Doménech, J. L.; Nescolarde-Selva, J.; Gash, H. (2015). Belief systems and science. *Cybernetics and Systems*. 46(6-7). pp. 379-389.
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#### **Recent presentations in Congresses**

- 2016. Mathematical Modelling in Engineering & Human Behaviour. "Modelling social systems: a new network point of view in labour markets". Valencia. Spain.
- 2016. International Conference Computational and Mathematical Methods in Science and Engineering. "Analytical Study of Labour Markets Based on Graph Theory". Cadiz. Spain.
- 2016. EAA Euroregio. Congress on Sound and Vibration. "Detectability of electric motorcycles". Porto. Portugal.
- 2014. ICCS 2014: International Conference on Complex Systems. "A Sociocybernetics Data Analysis Using Causality in Tourism Networks". Amsterdam. Holland.
- 2013. Symposium on Cybernetics & Systems Research, Informatics, Logic, Mathematics, & Artificial Intelligence. "Ideological Systems: A Mathematical Approach". Baden Baden. Germany.
- 2010. Second International Conference on Science in society. Permission and "Prohibition in Social Systems Structure". Madrid. Spain.
- 2009. The 21th Anniversary Conference on Systems Research, Informatics and Cybernetics. "A Walford's metadynamic Point of View of Ecosustainability Ideology (II)". Baden Baden. Germany.
- 2009. The 21th Anniversary Conference on Systems Research, Informatics and Cybernetics. "A Walford's metadynamic Point of View of Ecosustainability Ideology (I)". Baden Baden. Germany.



**Recent Books**

- J.L. Usó-Domènech and J.A. Nescolarde-Selva. (2012). *Mathematic and Semiotic Theory of Ideological Systems. A systemic vision of the Beliefs.* LAP LAMBERT Academic Publishing. Saarbrücken. Germany. ISBN: 978-3-8443-9815-1.