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**ABSTRACT** Israel Gonzalez-Carrasco is a visiting professor in the Computer Science Department of Universidad Carlos III of Madrid. He holds his PhD degree in Computer Science by this University.  
He is co-author of several papers in international journals and conferences and his main lines of research are Neural Networks, Expert Systems, Accessibility and Software Engineering. He is involved in international projects and he is also an Editorial Board and Review Board Member for several international journals.

**EDUCATION** **Phd in Computer Science.** February, 2010. Universidad Carlos III de Madrid.  
**Diploma of Advanced Studies (as a part of the Phd in Computer Science and Technology).** October, 2006. Universidad Carlos III de Madrid. Madrid. Spain  
**M. Sc. in Computer Engineering.** October, 2004. Universidad Carlos III de Madrid. Madrid. Spain  
**M. Sc. in Technical Engineering in Computer Managements.** September, 2001. Universidad Carlos III de Madrid. Madrid. Spain

**WORK EXPERIENCE** **October 2005 – current:** Visiting Professor at the Computer Science Department in the Universidad Carlos III de Madrid.  
**February 2005 – September 2005:** Phd. grant holder at the Computer Science Department in the Universidad Carlos III de Madrid.  
**February 2004 - January 2005:** Researcher at the Computer Science Department in the Universidad Carlos III de Madrid.  
**July 2002 - January 2004:** Programmer analyst in LogicClon S.L. Madrid. Spain.  
**February 2000 – June 2002:** Research grant holder at the Computer Science Department in the Universidad Carlos III de Madrid.

**RESEARCH INTEREST**

- Software Engineering.
- Process Management.
- Technology Innovation.
- Information Systems.
- Decision Support Systems.
- Neural Networks.
- Soft Computing.
- Applied Intelligence.

**PUBLICATIONS** *JOURNAL PAPERS (INDEXED IN ISI-JCR)*

- Ángel García Crespo, Israel González Carrasco, Jose Luis Lopez Cuadrado, Daniel Villanueva Vazquez, Alvaro Gonzalez, (2016). CESARSC: Framework for creating Cultural Entertainment Systems with Augmented Reality in Smart Cities, June, 2016, Computer Science and Information Systems, ISSN: 1820-0214, 13, 2, pp: 395-425.

- Yuliana Pérez-Gallardo, Ángel García Crespo, Jose Luis Lopez Cuadrado, Israel González Carrasco, (2016). MESSRS: A model-based 3D system for of recognition, semantic annotation and calculating the spatial relationships of a factory's digital facilities, October, 2016, Computers in Industry, ISSN: 0166-3615, 82, pp: 40-56.
- Daniel Villanueva Vazquez, Israel González Carrasco, Jose Luis Lopez Cuadrado, Nora Lado, (2016). SMORE: Towards a semantic modeling for knowledge representation on social media, June, 2016, Science of Computer Programming, ISSN: 0167-6423, 121, pp: 16-33.
- Daniel Villanueva Vazquez, Ruben Posada Lopez, Israel González Carrasco, Ángel García Crespo, Albino Martínez-Sibaja, (2015). Towards an Automatic Parameterization System for the classification of Persian Lemons using Image Processing Techniques., August, 2015, Journal of Food Process Engineering, 38, 4, pp: 345-356.
- Daniel Villanueva Vazquez, Ruben Posada Lopez, Israel González Carrasco, Albino Martínez-Sibaja, (2015). Monitoring of a Sugar Crystallization Process with Fuzzy Logic and Digital Image Processing. , February, 2015, Journal of Food Process Engineering., 38, 1, pp: 19-30.
- Ricardo Colomo Palacios, Jose Luis Lopez Cuadrado, Israel González Carrasco, Francisco José García-Peñalvo, (2014). SABUMO-dTest: Design and evaluation of an intelligent collaborative distributed testing framework, Computer Science and Information Systems, January, 2014, ISSN: 1820-0214, 11, 1, pp: 29-45, (Impact factor 2014: 0.48. Pos. 87 of 104 (Q4) COMPUTER SCIENCE, SOFTWARE ENGINEERING).
- Israel González Carrasco, Ángel García Crespo, Belén Ruiz-Mezcua, Jose Luis Lopez Cuadrado, Ricardo Colomo Palacios, (2014). Towards a framework for multiple Artificial Neural Network Topologies validation by means of Statistics. , Expert Systems: The Journal of Knowledge Engineering , January, 2014, ISSN: 0266-472, 31, 1, (Impact factor 2014: 0.761. Pos. 53 of 100 (Q3)).
- Ángel García Crespo, Belén Ruiz-Mezcua, Israel González Carrasco, Jose Luis Lopez Cuadrado, Zenith Hernandez, Raul Barahona, Lydia Holnes de Toppin, (2014). Accessibility Services and Interactive Digital Television: An Opportunity to Reduce the Digital Gap, February, 2014, IEEE Revista Iberoamericana de Tecnologías del Aprendizaje, 9, 1, pp: 8-16, (not indexed in ISI-JCR).
- Ricardo Colomo Palacios, Israel González Carrasco, Jose Luis Lopez Cuadrado, Antonio Trigo, Joao Eduardo Varajao, (2014). I-COMPETERE: Using Applied Intelligence in search of competency gaps in software project managers., Information Systems Frontiers, September, 2014, 16, 4, pp: 607 - 625, (Impact factor 2014: 1.077. Pos 40 of 102 (Q2)).
- Erick Ulisses Monfil-Contreras, Giner Alor-Hernandez, Guillermo Cortes-Robles, Alejandro Rodriguez-Gonzalez, Israel González Carrasco, (2013). RESYGEN: A Recommendation System Generator using Domain-based Heuristics. , January, 2013, Expert systems with applications., 40, 1, pp: 242-256, (Impact factor 2013: 1.935. Pos. 30 of 121 (Q1), Area: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE).
- Israel González Carrasco, Ángel García Crespo, Belén Ruiz-Mezcua, Jose Luis Lopez Cuadrado, (2012). An optimization methodology for machine learning strategies and regression problems in ballistic impact scenarios., Applied Intelligence, January, 2012, ISSN: 0924-669X, 36, 2, pp: 424-441, (Impact Factor 2012: 1.853, Pos. 32 of 115 (Q2) Area: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE).
- Israel González Carrasco, Ángel García Crespo, Belén Ruiz-Mezcua, Jose Luis Lopez Cuadrado, (2012). A neural network-based methodology for the recreation of high-speed impacts on metal armours, Neural Computing & Applications, January, 2012, ISSN: 0941-0643, 21, 1, pp: 91-107, (Impact Factor

2012: 1.168, Pos. 60 of 115 (Q3)).

- Ángel García Crespo, Belén Ruiz-Mezcua, Israel González Carrasco, Jose Luis Lopez Cuadrado, (2012). Servicios Interactivos y Accesibilidad en la Television Digital, una Oportunidad para Reducir la Brecha Digital., IEEE-RITA: Revista Iberoamericana de Tecnologías del Aprendizaje, January, 2012, pp: 86-93, (not indexed in ISI-JCR).
- Israel González Carrasco, Ricardo Colomo Palacios, Jose Luis Lopez Cuadrado, Ángel García Crespo, Belén Ruiz-Mezcua, (2012). PB-Advisor: a private banking multi-investment portfolio advisor, Information Sciences, January, 2012, ISSN: 0020-0255, 206, pp: 63-82, (Impact factor 2012: 3.643. Pos. 06 of 132 (Q1)).
- Israel González Carrasco, Ricardo Colomo Palacios, Jose Luis Lopez Cuadrado, Francisco José García-Peñalvo, (2012). SEffEst: Effort estimation in software projects using fuzzy logic and neural networks. , August, 2012, International Journal of Computational Intelligence Systems,, 5, 4, pp: 679-699, (not indexed in ISI-JCR).
- Ricardo Colomo Palacios, Israel González Carrasco, Jose Luis Lopez Cuadrado, Ángel García Crespo, (2012). RESYSSTER: a hybrid recommender system for scrum team roles based on fuzzy and rough sets., International Journal of Applied Mathematics and Computer Science , January, 2012, ISSN: 1641-876X, 22, 4, pp: 801-816 , (Impact factor 2012: 1.008. Pos. 77 of 247 APPLIED MATHEMATICS (Q2)).
- Jose Luis Lopez Cuadrado, Ricardo Colomo Palacios, Israel González Carrasco, Ángel García Crespo, Belén Ruiz-Mezcua, (2012). SABUMO: Towards a Collaborative and Semantic Framework for Knowledge Sharing , Expert Systems with Applications, January, 2012, ISSN: 0957-4174, 31, 10, pp: 8671 - 8680, (Impact factor 2012: 1.854 Pos. 13 of 79 (Q1), Area: OPERATION RESEARCH & MANAGEMENT).
- Ángel García Crespo, Jose Luis Lopez Cuadrado, Israel González Carrasco, Ricardo Colomo Palacios, Belén Ruiz-Mezcua, (2012). SINVLIO: Using Semantics and Fuzzy Logic to provide individual investment portfolio recommendations. , Knowledge-Based Systems,, January, 2012, 27, 1, pp: 103-118, (Impact Factor: 2012 4.104, Pos. 15 of 111 (Q1), Area: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE).
- Ángel García Crespo, Belén Ruiz-Mezcua, Jose Luis Lopez Cuadrado, Israel González Carrasco, (2011). Semantic model for knowledge representation in e-business., Knowledge-Based Systems, January, 2011, ISSN: 0950-7051, 24, 2, pp: 282-296, (Impact Factor 2011: 2.422, Pos. 15 of 111 (Q1)).
- Ángel García Crespo, Belén Ruiz-Mezcua, Israel González Carrasco, Jose Luis Lopez Cuadrado, (2011). Dealing with limited data in ballistic impact scenarios: An empirical comparison of different neural network approaches, Applied Intelligence, January, 2011, ISSN: 0924-669X, 35, 1, pp: 89-109, (Impact Factor 211: 0.849, Pos. 72 of 111 (Q3) Area: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE).
- Ángel García Crespo, Belén Ruiz-Mezcua, Jose Luis Lopez Cuadrado, Israel González Carrasco, (2011). A Review of Conventional and Knowledge Based Systems for Machining Price Quotation., Journal of Intelligent Manufacturing, January, 2011, ISSN: 0956-5515, 22, pp: 823-841, (Impact Factor 2011: 0.859, Pos. 71 of 111 (Q3), Area COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE).
- Belén Ruiz-Mezcua, Ángel García Crespo, Jose Luis Lopez Cuadrado, Israel González Carrasco, (2011). An expert system development tool for non AI experts, Expert Systems with Applications, January, 2011, ISSN: 0957-4174, 38, 1, pp: 597-609, (Impact Factor 2011: 2.203, Pos. 22 of 111 (Q1)).
- Ángel García Crespo, Israel González Carrasco, Ricardo Colomo Palacios, Jose Luis Lopez Cuadrado, Belén Ruiz-Mezcua, (2011). Methodology for software development estimation optimization based on neural networks, July, 2011, IEEE Latin America Transactions , 9 , 3, pp: 391-405, (Impact Factor 2011:

0.346, Pos. 117 of 133 (Q4), Area: COMPUTER SCIENCE, INFORMATION SYSTEMS).

- Ángel García Crespo, Jose Luis Lopez Cuadrado, Ricardo Colomo Palacios, Israel González Carrasco, Belén Ruiz-Mezcua, (2011). Sem-Fit: A semantic based expert system to provide recommendations in the tourism domain, , 10, September, 2011, Expert Systems with Applications, 38, pp: 13310-13319, ( Impact factor 2011: 2.203. Pos. 22 of 111 (Q1), Area: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE).
- Juan Miguel Gomez Berbis, Ricardo Colomo Palacios, Jose Luis Lopez Cuadrado, Israel González Carrasco, Ángel García Crespo, (2011). SEAN: Multi-Ontology Semantic Annotation for Highly Accurate Closed Domains, March, 2011, International Journal of the Physical Sciences., 6, 6, pp: 1440-1451, (not indexed in ISI-JCR).
- Jose Luis Lopez Cuadrado, Ángel García Crespo, Belén Ruiz-Mezcua, Juan Miguel Gomez Berbis, Israel González Carrasco, (2010). Development of a web-based quotation expert system for machined parts, March, 2010, Int. J. Computer Applications in Technology, 37, 2, pp: 87-100, (not indexed in ISI-JCR).
- Jose Luis Lopez Cuadrado, Ángel García Crespo, Belén Ruiz-Mezcua, Israel González Carrasco, (2005). Optimización de Métrica Versión 3 en entornos orientados a objetos., Revista de Procesos y Métricas de las Tecnologías de Información, January, 2005, 2, pp: 13-16, (not indexed in ISI-JCR).

## SCIENTIFIC ACTIVITIES

### *VISITING RESEARCHER*

- **July 2007 – August 2007:** Visiting Researcher at the Digital Enterprise Research Institute. Galway, Ireland.
- **September – October 2011:** Visiting Researcher at the Instituto Superior de Contabilidade e Administração (ISCAC). Coimbra, Portugal.
- **October 2012 – November 2012:** Visiting Researcher at the Instituto Tecnológico de Orizaba (ITO). Orizaba, México.

### *JOURNALS REVIEWER BOARD MEMBERSHIPS*

- Applied Intelligence
- Applied Soft Computing
- Behaviour & Information Technology
- IET Software
- Computer Standards & Interfaces
- Social Network Analysis and Mining
- Journal of Information Science and Engineering
- Expert Systems
- Information Systems Management
- Computational and Mathematical Methods in Medicine
- Journal of Biomedical Informatics
- Electronic Markets. The International Journal on Networked Business
- Science of Computer Programming
- Future Generation Computer Systems
- Artificial Intelligence in Medicine (AIMM)
- Expert Systems with Applications
- Journal of Intelligent Manufacturing
- Pervasive and Mobile Computing
- IEEE Transactions on Systems, Man and Cybernetics (SMCA)

### *CONFERENCE PROGRAM COMMITTEE MEMBERSHIPS*

- First International Workshop on Semantic Applied Technologies on Biomedical Informatics (SATBI 2011)
- Undécima Conferencia Iberoamericana en Sistemas, Cibernética e Informática (CISCI 2012)
- Duodécima Conferencia Iberoamericana en Sistemas, Cibernética e Informática (CISCI 2013)

- Décima Tercera Conferencia Iberoamericana en Sistemas, Cibernética e Informática (CISCI 2014)
- Décima Cuarta Conferencia Iberoamericana en Sistemas, Cibernética e Informática (CISCI 2015)
- Décima Quinta Conferencia Iberoamericana en Sistemas, Cibernética e Informática (CISCI 2016)
- Simposio Ibero-Americano de Aplicaciones y Tecnologías de Información y Comunicaciones(ATIC 2012)
- Undécimo Simposio Iberoamericano en Educación, Cibernética e Informática (SIECI 2014)
- Duodécimo Simposio Iberoamericano en Educación, Cibernética e Informática (SIECI 2015)
- Decimo Tercer Simposio Iberoamericano en Educación, Cibernética e Informática (SIECI 2016)
- International Conference on Internet of things and Cloud Computing (ICC 2016)
- Octava edición del Congreso AMADIS organizado por el Real Patronato sobre Discapacidad, la Universidad Carlos III de Madrid. (Toledo, 2016)
- 2nd Global Conference on Applied Computing in Science and Engineering (ACSE2). (Gran Canaria, Spain, 2017)

**HONORS AND AWARDS**      *FEBRUARY 2010, CUM-LAUDE MENTION AT THE CARLOS III UNIVERSITY IN THE PHD PROGRAM*

**PROFESSIONAL SOCIETY MEMBERSHIPS**      *SPANISH CENTER FOR CAPTIONING AND AUDIODESCRIPTION (CESYA)*

**PATENTS**

- Patente ES2370900 A1 con título "Método de difusión" (23/11/2011). Autores: Ángel García Crespo, Israel González Carrasco, José Luis López Cuadrado, María Belén Ruiz Mezcuca. Titular: Universidad Carlos III de Madrid.
- Patente ES2014/070689 con título " Accesorio para la visualización en salas de proyección de elementos de accesibilidad asociados a contenidos audiovisuales" (19.03.2015). Autores: GARCÍA CRESPO, Ángel; LÓPEZ CUADRADO, José Luis y GONZÁLEZ CARRASCO, Israel. Titular: Universidad Carlos III de Madrid.