

Dr. Juan Carlos Quiroz Aguilera

Position: Lecturer  
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**Education:**

PhD in Computer Science and Engineering, University of Nevada, Reno, USA

MS in Computer Science, University of Nevada, Reno, USA

BSc in Mathematics and Computer Science, University of Nevada, Reno, USA

**Teaching:**

Basic Programming Concepts

Web Programming

**Brief Employment History:**

Independent Contractor: Computer Scientist – Patent Agent

SilverSky Group LLC: Intellectual Property Specialist – Patent Agent

University of Nevada, Reno: Graduate Research Assistant

**Research Interests:**

Evolutionary computation

Machine learning

Design computing

**Selected Publications:**

1. **J. C. Quiroz**, A. Banerjee, S. J. Louis, and S. M. Dascalu, “Collaborative Evolution of 3D Models,” in Design Computing and Cognition ‘14, J. S. Gero, Ed. Springer, 2014 (to appear).

2. A. Banerjee, **J. C. Quiroz**, and S. J. Louis, "A Computational Model of Collaborative Creativity: A Meta-Design Approach," *International Journal of Knowledge and Systems Science*, vol. 2, no. 2, pp. 68–87, April 2011.
3. **J. C. Quiroz**, A. Banerjee, S. J. Louis, and S. M. Dascalu, "Document Design with Interactive Evolution," in *New Directions in Intelligent Interactive Multimedia Systems and Services - 2*, E. Damiani, J. Jeong, R. J. Howlett, and L. C. Jain, Eds. Springer Berlin Heidelberg, 2009, pp. 309–319.
4. **J. C. Quiroz**, S. J. Louis, A. Banerjee, and S. M. Dascalu, "Towards Creative Design Using Collaborative Interactive Genetic Algorithms," *IEEE Congress on Evolutionary Computation, CEC 2009*, Trondheim, Norway, May 2009, pp. 1849–1856.
5. A. Banerjee, **J. C. Quiroz**, and S. J. Louis, "A Model of Creative Design Using Collaborative Interactive Genetic Algorithms," in *Design Computing and Cognition '08*, J. S. Gero and A. K. Goel, Eds. Springer Netherlands, 2008, pp. 397–416.
6. M. Nicolescu, R. Leigh, A. Olenderski, S. Louis, S. Dascalu, C. Miles, **J. Quiroz**, and R. Aleson, "A Training Simulation System with Realistic Autonomous Ship Control," *Computational Intelligence*, vol. 23, no. 4, pp. 497–516, 2007.