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Education

- **University of Birmingham**—Birmingham, United Kingdom
Ph.D. Computer Science: September 2002– July 2009
 - Thesis: “Multi-Objective Optimisation using Sharing in Swarm Optimisation Algorithms”.
 - Defended on January 24th 2007.
- **Universidad Veracruzana**—Xalapa, Veracruz, México
M.Sc. Artificial Intelligence: September 1999–June 2001
 - Thesis: “Resolución de problemas multi-objetivo a través de optimización mediante cúmulos de partículas”.
 - Defended on February 22th 2002, *Honorific Mention*.
- **Universidad Veracruzana**—Xalapa, Veracruz, México
B.Sc. Computer Science: September 1995–June 1999
 - With an specialization in the area of Artificial Intelligence

Experience

- **FIME / CIIDIT, Universidad Autónoma de Nuevo León**—Monterrey, México
Lecturer–Researcher: Agosto 2009–To date
 - Optimización–Autumn 2009.
- **School of Computer Science, University of Birmingham**—Birmingham, United Kingdom
Graduate teaching assistant and invigilator: Autumn 2002–Spring 2006
 - Foundations of Computer Science.
 - Introduction to Computer Science.
 - M.Sc. Software Workshop.
- **Velasco Consulters, Corp.**—Xalapa, Veracruz, México
Software Engineering Sub-director: October 2001–February 2002
 - Development and design of administrative computer systems.
 - Assisted users with problems and wrote tutorials and documentation.
 - Configured intranet and functionality of the network.
- **Ruth Segura Carranza, Building Company**—Xalapa, Veracruz, México
System Administrator: January, 1998–December, 1998
 - Performed as a system programmer.
 - Configured intranet, maintained inventory, and managed backup system.

Skills

- **Operating Systems:** Linux, Mac OS X, UNIX, Windows
- **Computer Languages:**
 - Proficient in Assembly Language, C, C++, Cocoa, L^AT_EX, Lisp, ML, Objective-C, Pascal, Prolog, UNIX Shells, Visual Basic
 - Familiar with Java, HTML, Perl, PHP, SQL
- **Languages:**
 - Fluent spoken/written English, Spanish (first language)
 - Familiar with French

Achievements and Activities

- Awarded with a full scholarship to study a Ph.D. in Computer Science by CONACyT (Consejo Nacional de Ciencia y Tecnología), México. (2002–2006)
- Paper reviewer at the 2005 International Conference on Intelligent Computing (ICIC 2005).
- Summer School on Images and Robotics, SEP-CONACYT, INRIA, Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Cuernavaca, Morelos, México, June 25th to July 6th, 2001.
- Awarded with a full scholarship to study a M.Sc. in Artificial Intelligence by CONACyT (Consejo Nacional de Ciencia y Tecnología), México. (2000–2001)
- Speaker at the V Simposio Anual de Tecnología Informática, Facultad de Estadística e Informática, Universidad Veracruzana, Xalapa, Veracruz, México, December 1998.

Refereed Papers

- Goudos, S. K., Zaharis, Z. D., Salazar-Lechuga, M., Lazaridis, P. I., and Gallion, P. B. (2007). Dielectric filter optimal design suitable for microwave communications by using multiobjective evolutionary algorithms. *Microwave and Optical Technology Letters*, Volume 49, Issue 10, pages 2324–2329, October 2007. Wiley Periodicals, Inc., A Wiley Company.
- Salazar Lechuga, M. and Rowe, J. E. (2006). Particle Swarm Optimization and auto-Fitness Sharing to solve Multi-Objective Optimization Problems. To appear in *Proceedings of the 2006 IEEE Symposium on Swarm Intelligence (SIS 2006)*, Indianapolis, Indiana.
- Salazar Lechuga, M. and Rowe, J. E. (2005). Particle Swarm Optimization and Fitness Sharing to solve Multi-Objective Optimization Problems. In *Proceedings of the 2005 IEEE Congress on Evolutionary Computation (CEC 2005)*, volume 2, pages 1204–1211, Edinburgh, Scotland, UK. IEEE Press.
- Coello Coello, C. A., Toscano Pulido, G., and Salazar Lechuga, M. (2004). Handling Multiple Objectives With Particle Swarm Optimization. *IEEE Transactions on Evolutionary Computation*, 8(3):256–279.
- Coello Coello, Carlos A. and Salazar Lechuga, Maximino (2002). “MOPSO: A Proposal for Multiple Objective Particle Swarm Optimization”, In *Congress on Evolutionary Computation (CEC’02)*, volume 2, pages 1051–1056, Piscataway, New Jersey, May 2002. IEEE Service Center.

- Coello Coello, Carlos A. y Salazar Lechuga, Maximino (2002). "MOPSO: Un Algoritmo Multiobjetivo Basado en Optimización Mediante Cúmulos de Partículas", en E. Alba, F. Fernández, J.A. Gómez, F. Herrera, J.I. Hidalgo, J. Lanchares, J.J. Merelo y J.M. Sánchez (Editores) Primer Congreso Español de Algoritmos Evolutivos y Bioinspirados (AEB'02), Universidad de la Extremadura, España, pp. 445-452, 2002, ISBN 84-607-3913-9.