Adán José-García

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Education

Ph.D. in Computer Science **2013 – 2017**
Center for Research and Advanced Studies of the National Polytechnic Institute México
- Prediction of the dissimilarity measure for evolutionary clustering algorithms

Master in Computer Science **2010 – 2012**
Center for Research and Advanced Studies of the National Polytechnic Institute México
- Building *topic maps* from relational databases

Bachelor of Engineering **2005 – 2010**
Technological Institute of Culiacan México
- An adaptive social learning network with recognition of learning styles

Professional Experience

Postdoctoral Researcher **2018 – now**
The University of Manchester, Alliance Manchester Business School United Kingdom
- A multiobjective evolutionary approach for multi-view data clustering

Part-time Lecturer **2017 – 2018**
Regional Centre for Teacher Training and Educational Research México
- Taught courses: Educational technologies, and Online productivity tools for education

Technical Team Leader **2012 – 2013**
Svam International México
- Development of an integrated operational system for a beer distribution company

Publications

Journal Articles

[1]: **A. José-García**, W. Gómez-Flores. Automatic Clustering Using Nature-Inspired Metaheuristics: A Survey. Applied Soft Computing, (41): 192–213, 2016. (IF= 4.858)

[2]: **A. José-García**, I. Lopez-Arevalo, V. J. Sosa-Sosa. A Rule-based Approach for Topic Maps Learning from Relational Databases. Expert Systems 32 (5): 609–621, 2015. (IF=1.505)

Conference Proceedings

[1]: **A. José-García**, J. Handl, W. Gómez-Flores, M. Garza-Fabre. Many-view Clustering: An Illustration Using Multiple Dissimilarity Measures, In *"GECCO'19: Proc. of the International Conference on Genetic and Evolutionary Computation"*, p. 213–214, 2019.

[2]: **A. José-García**, W. Gómez-Flores. Evolutionary Clustering Using Multi-Prototype Representation and Connectivity Criterion. In *"MCPR'17: Proc. of the 9th Mexican Conference on Pattern Recognition"*, p. 63–73, 2017.

[3]: **A. José-García**, I. Lopez-Arevalo, V. J. Sosa-Sosa. Building Topic Maps from Relational Databases. In *"CCE'12: Proc. of the 9th International Conference on Electrical Engineering, Computing Science and Automatic Control"*, p. 294–299, 2012.

[4]: **A. José-García**, H. Romero-Monsivais, C. Hernández, A. Rodríguez-Cristerna, I. Rivera-Islas, J. Torres-Jiménez. A Simulated Annealing Algorithm for the Problem of Minimal Addition Chains. In *"EPIA'11: Proc. of the 15th Portuguese Conference on Artificial Intelligence"*, p. 311–325, 2011.

[5]: A. Rodríguez-Cristerna, J. Torres-Jiménez, H. Romero-Monsivais, C. Hernández, I. Rivera-Islas, **A. José-García**. A Mutation-Selection Algorithm for the Problem of Minimum Brauer Chains. In *"MICAI'11: Proc. of the 10th Mexican International Conference on Artificial Intelligence"*, p. 107–118, 2011.

[6]: R. Zataraín-Cabada, M. L. Barrón-Estrada, V. Ponce Angulo, **A. José-García**. A Framework for Creating, Training, and Testing Self-Organizing Maps for Recognizing Learning Styles. In *"Edutainment'10: Proc. of the 5th International Conference on E-learning and Games"*, p. 53–64, 2010.

[7]: R. Zataraín-Cabada, M. L. Barrón-Estrada, V. Ponce Angulo, **A. José-García**, C. A. Reyes García. Identification of Felder-Silverman Learning Styles with a Supervised Neural Network. In *"ICIC'10: Proc. of the 6th International Conference on Intelligent Computing"*, p. 479–486, 2010.

[8]: R. Zataraín-Cabada, M. L. Barrón-Estrada, V. Ponce Angulo, **A. José-García**, C. A. Reyes García. A Learning Social Network with Recognition of Learning Styles Using Neural Networks. In *"MCPR'10: Proc. of the 2nd Mexican Conference on Pattern Recognition"*, p. 199–209, 2010.

Professional Services

Memberships

2019 – now: ACM professional member

Reviewer of Journals

- IEEE Transactions on Evolutionary Computation
- IEEE Transactions on Cybernetics
- WILEY Computational Intelligence

Computer Skills

Programming: MATLAB, C/C++, Python, Java

OS: MacOS, Linux, Microsoft Windows

Typography: LaTeX, LibreOffice/OpenOffice, Microsoft Office

Miscellaneous: Git, MPI, CUDA, PThreads, numpy, dlib, R, HTML, CSS

Awards and Achievements

- **2019 – 2022**: Member of the Mexican National System of Researchers: Candidate Level
- **2018 – 2019**: CONACYT Postdoctoral Fellowship
- **2013 – 2017**: CONACYT Postgraduate Fellowship
- **2010**: First Place in the Mexican National Fair of Science and Engineering 2010, with the project: "An adaptive social learning network with recognition of learning styles."
- **2007**: Professional IBM Certification in Object-Oriented Analysis and Designed (ID: P39LAM5071)
- **2007**: Sun Microsystems Certified Programmer for Java 2 Platform 1.4 (ID: P68LAM50A5)