



**José Angel
Nieves
Vázquez**

josenieves@itssat.edu.mx



Associate Professor

Education

2006-2009: PhD degree in Optics

National Institute of Astrophysics, Optics and Electronics.

2003-2005: Master degree in Optics

National Institute of Astrophysics, Optics and Electronics

1994-1998: Electronic engineering degree

Technological Institute of Minatitlan, Veracruz, Mexico

Current job position

Since 2015 holds the position of Associate Professor at the Technological Institute of San Andres Tuxtla.

His research interests include digital image processing, pattern recognition, and artificial neural networks.

Teaching experience

Throughout his teaching career he has taught subjects of the professional practice of the disciplines of Electronic Engineering and Mechatronics.

Professional experience

Mar 2000 – June 2001

National Institute of Nuclear Investigation, Veracruz, Veracruz



Scientific productivity

Scientific journals

Ritter, G. X., Nieves-Vázquez, J. A., & Urcid, G. A simple statistics-based nearest neighbor cluster detection algorithm. *Pattern Recognition*, 48(3), 918-932.

Scientific journals of diffusion

2008

José Angel Nieves V, Gonzalo Urcid S. “Memorias morfológicas autoasociativas y enmascaramiento de ruido en imágenes” INAOE IX Encuentro de Investigación, Noviembre.

2007

José Angel Nieves V, Gonzalo Urcid S. “Enmascaramiento de ruido aleatorio para recuperación de imágenes binarias” INAOE VIII Encuentro de Investigación, Noviembre.

2006

José Angel Nieves V, Gonzalo Urcid S. “Mejoramiento de la memoria autoasociativa morfológica difusa” INAOE VII Encuentro de Investigación, Noviembre.

2005

J.A. Nieves V., G. Urcid S. “Memorias autoasociativas morfológicas para recuperación de imágenes degradadas por ruido” CONCYTEP 1ra Convención Nacional de Investigación Aplicada y Desarrollo Tecnológico, Octubre.

2004

J.A. Nieves V., G. Urcid S. “Restauración de imágenes en tonos de gris usando memorias asociativas de Hopfield” XLVII Congreso Nacional de Física, Hermosillo Son., Octubre.

2004

G. Urcid S., J.A. Nieves V. “Restauración de imágenes en tonos de gris usando memorias asociativas de Hopfield” INAOE 5to Encuentro de Investigación, Noviembre.

1999

M. Aguilar B.; J.M. García H; J.A. Nieves V. “Sistema remoto de conteo de pulsos nucleares” IX Congreso Técnico Científico ININ-Sutin.

Conference proceedings

2013

“Fast Autonomous Endmember Detection Based on Lattice Algebra and Data Clustering,”
Gerhard X. Ritter, J.A. Nieves Vazquez and G. Urcid. Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (Whispers), 25-28, June 2013, Gainesville, Florida, USA,

2011.

“Lattice Masking and Auto-Association for Recolling Color Images in the Presence of Noise,”

Gonzalo Urcid, José Angel Nieves Vazquez. Proceedings of IEEE, Third World Congress on Nature and Biologically Inspired Computing (NaBIC), 19-21, October 2011, Salamanca, Spain, 267-272

2009

“Robust image retrieval from noisy inputs using lattice associative memories,”
Gonzalo Urcid, José Angel Nieves-V., Anmi García-A., and Juan Carlos Valdiviezo-N.
Proceedings of SPIE, Image Processing: Algorithms and Systems VII, Vol. 7245, pp. 724517:1–12,
January.

2008

“Redundant encoding of patterns in lattice associative memories,”
G. Urcid, G.X. Ritter, and J.A. Nieves-V.,
Proc. of the Lattice Based Modeling Workshop, VI International Conference on Concept Lattices and
Their Applications, pp. 45–57, Olomouc, Czech Republic, October.

2007

“Enhanced Fuzzy Autoassociative Morphological Memory for Binary Pattern Recall,”
Gonzalo Urcid S., José Angel Nieves V, Carlos Reyes
Proceeding of the Fourth IASTED International Conference Signal Processing, Pattern Recognition,
and Applications, pp. 116–121, February 14-16 2007, Innsbruck, Austria.

2006

“H-S-L Images of Complex Special Functions”
Gonzalo Urcid S, Fermín Granados A., J. Angel. Nieves V.
XLIX Congreso Nacional de Física, San Luis Potosí, Octubre.

Research stays

Postdoctoral position in the Computer and Information Science and Engineering Department at
University of Florida



Reference

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- Dr. Gonzalo Urcid Serrano (Profesor at the National Institute for Astrophysics, Optics and Electronics
gurcid@inaoep.mx)
 - Dr. Carlos Alberto Reyes-García (Profesor at the National Institute for Astrophysics, Optics and Electronics)
kargaxxi@inaoep.mx)
 - Dr. Gerhard X. Ritter (Profesor at the the Computer and Information Science and Engineering Department at University of Florida)
ritter@cise.ufl.edu)

