



# ANGEL FERNANDO KURI MORALES

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Profesor de Tiempo Completo del  
Departamento Académico de Computación

## DOMICILIO

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## CAMPOS DE INTERÉS

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- \*0 Algoritmos Genéticos
- \*1 Redes Neuronales
- \*2 Minería de Datos

## FORMACIÓN ACADÉMICA

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Ingeniero en Electrónica, Universidad Anáhuac, México

Master of Science, University of Illinois, USA

Doctor of Philosophy, Kennedy-Western, USA

## INVESTIGACIÓN ACTUAL

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Aplicación de Redes Neuronales y Computación Evolutiva al análisis de grandes bases de datos.

Desarrollo de sistemas regresivos multivariados usando algoritmos genéticos.

Determinación de agrupamientos irregulares usando métricas de entropía.

## EXPERIENCIA ACADÉMICA

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Año	Puesto
2001 – a la fecha	Profesor de Tiempo Completo, ITAM
1974 – a la fecha	Profesor De Asignatura Nivel “B”, UNAM
2007	Profesor Invitado, Universidad de Santiago, Cuba
2005	Profesor Invitado, World Scientific Engineering and Academic Society, Grecia
2002	Profesor Invitado, U. Federal Sta. Catarina, Programa de Pós-Graduacao em Engenharia Elétrica, Florianópolis, Brasil
2001 - 2002	Profesor Visitante, Inst. Tec. de B.C.S., La Paz
1996 - 2001	Profesor Titular, Centro de Investigación en Computación, IPN
2000	Profesor de Asignatura, U. Iberoamericana
1996 - 2000	Profesor de Asignatura, ITESM CCM
1996 - 1997	Profesor de Asignatura, U. Anáhuac del Sur
1973	Profesor de Asignatura, Universidad Anáhuac del Norte

## EXPERIENCIA PROFESIONAL

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Año	Puesto
2010-2013	Consultor Externo, Banco Bilbao Vizcaya Argentaria
2008-2009	Consultor Externo, Grupo Nacional Provincial
1996-2001	Subdirector De Investigación Aplicada, Centro De Investigación En Computación, Instituto Politécnico Nacional
1995	Asesor Dirección General de Epidemiología
1993	Asesor, Gerencia de Servicios Médicos de PÉMEX
1991-1996	Director General, Idet Capacitación En Alta Tecnología S.A. De C.V.
1983-1991	Director General, Idet Ingeniería Total, S.A. De C.V.
1979 - 1982	Subdirector General, Micromex, S.A.
1976 - 1981	Investigador Asociado, IIMAS, UNAM

Kuri-Morales, A., "An Automated Search Space Reduction Methodology for Large DataBases", Springer, Editor(s): Perner, Petra, ISBN: 9783642397356, ISSN: 0302-9743, 16/07/2013.

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Kuri-Morales, A., Trejo-Baños, D., Cortés-Berueco, L., "Clustering of heterogeneously Typed Data with Soft Computing - A Case Study", MICAI 2011, Springer, 235-248, Editor(s): Batyrshin, I., Sidorov, G., ISBN: 9783642253300, ISSN: 1611-3349, 26/11/2011.

Kuri-Morales, A., Aldana-Bobadilla, E., "The search for irregularly shaped clusters in data mining", New Fundamental Technologies in Data Mining, Intech, 323-354, Editor(s): Funtasu, K., Hasegawa, K., ISBN: 9789533075471, 15/01/2011.

Kuri-Morales, A., Simari, G., "Advances in Artificial Intelligence - IBERAMIA 2010", Springer, Editor, Editor(s): Kuri-Morales, A., Simari G., ISBN: 3-642-16951, ISSN: 0302-9742, 04/11/2010.

Kuri-Morales, A., Lozano, A., "Sampling for Information and Structure Preservation when Mining Large Data Bases", Springer, 174-183, Editor(s): Angel Kuri-Morales, ISBN: 3-642-16951-1, ISSN: 0302-9743, 03/11/2010.

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Kuri-Morales, A., "The Application of Genetic Algorithms to the Evaluation of Software Reliability", Evolutionary Computation and Optimization Algorithms in Software Engineering: Applications and Techniques, IGI Global, 100-120, Editor(s): Monica Chis, ISBN: 9781615208098, 25/05/2010.

Kuri-Morales, A., "Sistema De Determinación De Muestras Óptimas A Través Del Muestreo Basado En La Entropía Informática", Grupo Nacional Provincial, Unpublished, Editor(s): Carlos Zozaya Gorostiza, 29/01/2012.

Kuri-Morales, A., Erazo-Rodríguez, F., "A Search Space Reduction Methodology for Data Mining in Large Databases", Engineering Applications of Artificial Intelligence, Elsevier, 57-65, ISBN: 9780769534411, ISSN: 0952-1976, 01/02/2009.

Gelbukh, A., Kuri-Morales, A., "MICAI 2007: Advances in Artificial Intelligence", Springer, 1-1231, Editor(s): Gelbukh, A., Kuri-Morales, A., ISBN: 3-540-76630-8, ISSN: 0302-9743, 01/09/2007.

Mejía-Guevara, I., Kuri-Morales, A., "MP-Polynomial Kernel for Training Support Vector Machines", LNCS 4756, Springer, 584-593, Editor(s): Chacn, M., Allende, J., ISSN: 0302-9743, 13/11/2007.

Mejía-Guevara, I., Kuri-Morales, A., "Evolutionary Feature and

Parameter Selection in Support Vector Regression", LNAI 4827, Springer, 399-408, Editor(s): Gelbukh, A., Kuri-Morales, A., ISSN: 0302-9743, 05/11/2007.

Kuri-Morales, A., Mejía-Guevara, I., "Evolutionary Training of SVM for Multiple Category Classification Problems with Self-Adaptive Parameters", Advances in Artificial Intelligence - Iberamia-SBIA (LNAI 4140) 2006, Springer-Verlag Berlin Heidelberg, 329-338, Editor(s): Sichman, J., Coelho, H., Rezende, S., ISBN: 3-540-45462-4, ISSN: 0302-9743, 23/10/2006.

Kuri-Morales, A., Mejía-Guevara, I., "Analysis of Algebraic Expressions derived from Genetic Multivariate Polynomials", Progress in Pattern Recognition, Image Analysis and Applications (LNCS 4225), Springer-Verlag Berlin Heidelberg, 974-984, Editor(s): Martínez-Trinidad, Carrasco, Kittler, ISBN: 978-3-540-4655, ISSN: 0302-9743, 15/10/2006.

Flores, N., Kuri-Morales, A., Gamio, C., "An application of Neural Networks for Image Reconstruction in Electrical Capacitance Tomography Applied to Oil Industry", Progress in Pattern Recognition, Image Analysis and Applications (LNCS 4225), Springer-Verlag Berlin Heidelberg, 371-380, Editor(s): Martínez-Trinidad, Carrasco, Kittler, ISBN: 978-3-540-4555, ISSN: 0302-9743, 15/10/2006.

Kuri-Morales, A., Ortiz-Posadas, M., "A New Approach to Sequence Representation of Proteins in Bioinformatics", Proc. 4th Mexican International Conference on Artificial Intelligence, Springer-Verlag, pp. 880-889, Editor(s): Gelbukh, A., Monroy, R., Albornoz, A., ISBN: 540-29896-7, 15/11/2005.

Kuri-Morales, A., Juárez-Almaraz, F., "Genetic Multivariate Polynomials: an Alternative Tool to Neural Networks", Lecture Notes in Computer Science: No. 3773, Springer-Verlag, pp. 262-270, Editor(s): Lazo, M., Sanfeliu, A., ISBN: 3-540-29850-9, ISSN: 0302-9743, 15/11/2005.

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