

Ricardo Menchaca-Mendez

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Education: **Bachelor of Science**, Computer Science, Superior School of Computer Science of the National Polytechnic Institute, (1997-2001), Mexico.

- *Dissertation:* IDE for Real Time and Embedded Applications.
- *Advisors:* M. Sc. Rolando Menchaca-Méndez and M. Sc. Luis Leyva-del Foyo.

Master of Science, Computer Science, Center for Computing Research of the National Polytechnic Institute, (2001-2004), Mexico.

- *Dissertation:* Dynamic and topological characterization of complex networks.
- *Advisor:* Professor Jesus Figueroa-Nazuno., Ph. D., Sc. D.

Ph.D. in Computer Science, University of California (2006 -), Santa Cruz, USA

- GPA: 4.0/4.0
- Advisor: Ph.D. Dimitris Achlioptas

Experience: Technician September-2003 to May- 2005
Computational Genomics Laboratory, Center of Genomic Sciences. UNAM. I worked on the topological and dynamical analysis of the *E. coli* regulatory network.

Associate Professor February 2005 to May 2005
Genomic Sciences - UNAM. *Department of Bioinformatics* I taught *discrete mathematics*.

- Publications:**
1. Resendis-Antonio O, Freyre-Gonzalez JA, **Menchaca-Mendez R**, Gutierrez-Rios RM, Martinez-Antonio A, Avila-Sanchez C, Collado-Vides J. *Modular analysis of the transcriptional regulatory network of E. coli. Trends Genet.* 2005 Jan;21(1):16-20.
 2. **Menchaca-Mendez R**, Janga SC, Collado-Vides J. *The network of transcriptional interactions imposes linear constraints in the genome.* OMICS. 2005 Summer;9(2):139-45.
 3. Rolando Menchaca-Mendez, **Ricardo Menchaca-Mendez**, J. J. Garcia-Luna-Aceves, *ADMP: An Adaptive Multicast Routing Protocol for Mobile Ad Hoc Networks.* IFIP International Federation for Information Processing: Ad-Hoc Networking, Volume 212/2006, pp. 177 – 188. ISSN 1571-5736.

Research Interests:

- Algorithms
- Randomized Algorithms
- Machine Learning
- Bioinformatics

Honors:

- Awarded for the best proficiency and academic performance in Masters.
- 3th Place in the Mexican Olympic of Informatics. Mexico City, 1997.

References:

Phd Julio Collado-Vides, Dean of Center of Genomic Sciences. UNAM. 011 52 (73) 132063. e-mail: collado@ccg.unam.mx

Phd Jesus Figueroa Nazuno, Professor in Center for Computing Research of the National Polytechnic Institute. 011 52 729.6000 ext. 56586. email: jfn@cic.ipn.mx.