

Curriculum Vitae of Juan Marcos Ramírez Rondón

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Personal Data

- **Last Name:** Ramírez Rondón
- **Name:** Juan Marcos

- **Nationality:** Venezuelan
- **Birth Date:** May 1st, 1979
- **Passport Number:** 1153690
- **Marital Status:** Single

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Education

- **M.S. Biomedical Engineering**, (Expected to March 2007).
University of Los Andes, Mérida, Venezuela
Thesis Title: Normalization Methods of cDNA Microarray Data Based on Least Absolute Deviation Regression
Adviser: Prof. José L. Paredes
- **Diploma in Electrical Engineering**, 2002.
Department of Electrical Engineering
University of Los Andes, Mérida, Venezuela

Research Areas

- Robust and Nonlinear Signal Processing
- Statistical Signal Processing
- Digital Communications
- Bioinformatic
- Medical Imaging

Research Group

- Grupo de Investigación de Ingeniería Biomédica de la Universidad de Los Andes (Biomedical Engineering Research Group of the University of Los Andes). Mérida, Venezuela.

Professional Experience

- **Assistant Professor**
Department of Electrical Engineering
University of Los Andes
January 2004 - present
- **Teaching Assistant**
Department of Electrical Engineering
University of Los Andes
May 2001 - November 2002
- **Teaching Experience**
 - Electronic Circuits I.
 - Laboratory of Electronic Circuits I.
 - Digital Systems
 - Advanced Mathematics

Publications

Referred Conference Publications

- **J. M. Ramírez**, J. L. Paredes and G. Arce, “Normalization of cDNA Microarray Data Based on Least Absolute Deviation Regression”, in Proceedings of International Conference on Acoustic, Speech, and Signal Processing, Toulouse, France, vol. II, pp. 1016-1019, May 2006.
- J. L. Paredes, **J. M. Ramírez**, G. Bianchi and M. Rodríguez “Robust DNA Microarray Normalization”, in Proceedings of the Second Iberoamerican Students Congress in Electrical, Electronic, and Computer Engineering, Puerto La Cruz, Venezuela, Apr. 2006.
- **J. M. Ramírez** and J. L. Paredes, “Linear Regression based on Sample Myriad”, in Proceedings of VIII International Congress on Numerical Methods and Applied Sciences, *Simulación y Modelado en Ingeniería y Ciencias*, Margarita Island, Venezuela, pp. TM81-TM88 Mar. 2006.
- **J. M. Ramírez**, F. Moreno, B. Camacho and R. Medina, “Spectro-Temporal Analysis of Gait Series in Patients with Parkinson Disease”, in Proceedings of Second Venezuelan Congress on Bioengineering, *Avances en Ingeniería Biomédica*, Mérida, Venezuela, pp. 389-396, Jul. 2004.
- **J. M. Ramírez**, Y. Avendaño and J. Paredes “Normalization Effects on DNA Microarray Image Segmentation” in Proceedings of Second Venezuelan Congress on Bioengineering, *Avances en Ingeniería Biomédica*, Mérida, Venezuela, pp.397-404 Jul. 2004.

Journal Publications

- **J. M. Ramírez**, Franklin Moreno and R. Medina “Analysis of Swing Time Series in the Gait of Parkinson Patients”, *Universidad, Ciencia y Tecnología*, Universidad Experimental Politécnica Antonio José de Sucre, Puerto Ordaz, Venezuela, vol. 10, number 40, pp. 205-210, Sep. 2006.

- J. L. Paredes, **J. M. Ramírez** and G. Bianchi, “Median Based Robust Normalization Methods of cDNA Microarray Data”, *Ciencia e Ingeniería*, Universidad de Los Andes, Mérida, Venezuela, vol. 27, number 2, pp. 89-97, Apr. 2006.

Non Academic Courses Related to Digital Communications

- Signal Processing System Design using FPGA, Pontificia Universidad Católica del Perú (PUPC), Lima, August 2006.
- Cisco Systems CCNA Courses I through IV, Fundación para el Desarrollo de la Ciencia y Tecnología (Fundacite), Mérida, August 2002.

Scholarships

- **FUNDAYACUCHO Scholarship**
Fundación Gran Mariscal de Ayacucho. Venezuela Apr 1998 to Jan 2002.

Foreign Languages

- Spanish (Native)
- English

Computer Skills

- **Languages:** C/C++, Visual C++, VHDL.
- **Software:** MATLAB, LateX, Microsoft Office, AutoCad.
- **Operating System:** Window.
- **Platforms:** PCs.

References

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