

Curriculum Vitæ

Jaime Leonardo Bobadilla

EDUCATION

Ph.D., Jan 2008 - present, [Department of Computer Science, University of Illinois at Urbana-Champaign, USA](#)

Major: Computer Science;

Research advisor: [Professor Steven LaValle](#)

M.S. in Statistics, National University of Colombia, Bogotá, Colombia.

Thesis: Characterizing and Predicting Protein Functional Sites Using Statistical Methods

Advisors: Professor Fernando Niño, Professor Edilberto Cepeda

B.S. in Computer Engineering, National University of Colombia, Bogotá, Colombia.

Thesis: Protein Site Identification Using Machine Learning Methods

Advisor: Professor Fernando Niño.

RESEARCH INTERESTS

Robotics, Applied Statistics, Bayesian Inference, Computational Biology

AWARDS

2007 Outstanding Graduate Students Scholarship

2006 Outstanding Graduate Students Scholarship

2005 Best admission score in College of Sciences Master Programs (4.96/5)

2004 Top ten students graduates in Computer Engineering in Colombia/ Ministry of Education

2003 Honorary Enrollment, College of Engineering/ National University of Colombia

2002 Honorary Enrollment, College of Engineering/ National University of Colombia

2001 Honorary Enrollment, College of Engineering/ National University of Colombia

1999 Honorary Enrollment, College of Engineering/ National University of Colombia

PUBLICATIONS

OSCAR SANCHEZ, CESAR PAYAN, LEONARDO BOBADILLA, FABIO

GONZALEZ, EMILIANO BARRETO Gene Selection Based On Category Detection Of Gene Ontology. Proceedings of the seventh international conference for the Critical Assessment of Microarray Data Analysis (CAMDA 2007). 13-14 December 2007. Valencia, Spain

LEONARDO BOBADILLA, FERNANDO NIÑO, EDILBERTO CEPEDA AND MANUEL A. PATARROYO. Characterizing and Predicting Catalytic Residues in Enzyme Active Sites Based on Local Properties: A Machine Learning Approach. To appear in: IEEE 7th International Symposium on Bioinformatics & BioEngineering Oct. 14-17, Cambridge - Boston U.S.A.

LEONARDO BOBADILLA, FERNANDO NIÑO, EDILBERTO CEPEDA AND MANUEL A. PATARROYO. A Novel Methodology for Characterizing and Predicting Protein Functional Sites. To appear in: 2007 IEEE International Conference on Bioinformatics and Biomedicine (IEEE BIBM 2007) . San Jose, CA, USA Nov 2-4, 2007

GERMAN HERNANDEZ,; BOBADILLA MOLINA, JAIME LEONARDO; OSCAR SANCHEZ,. A Genetic Word Clustering. In: IEEE CONGRESS ON EVOLUTIONARY COMPUTATION (CEC 2005),, 2005, Edinburgh, UK. Proceedings of the IEEE Congress on Evolutionary Computation (CEC 2005),. 2005.

BOBADILLA MOLINA, JAIME LEONARDO; NINO VASQUEZ, LUIS FERNANDO; GIRI NARASIMHAN,. ADVANCES IN BIOINFORMATICS AND ITS APPLICATIONS. In: GIRI NARASIMHAN,; MATTEW HE,. (Org.). ADVANCES IN BIOINFORMATICS AND ITS APPLICATIONS. New Jersey, USA, 2004, v. 1.

TEACHING EXPERIENCE

2005-II Incca University of Colombia

Program Verification
Programming Languages

2006-2007 -National University of Colombia

Statistics I Statistics II

RESEARCH EXPERIENCE

2003-I National University of Colombia

Internship Depart of Genetics

2004 National University of Colombia

Laboratory of Research on Intelligent Systems (LISI)