

Curriculum Vitae

Name: Felipe Alvarez Daziano

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Position: Associate Professor
Universidad de Chile

Research interests: Optimization and Dynamical Systems, Numerical Algorithms, Barrier and Penalty Methods, Numerics in Riemannian Manifolds, Calculus of Variations.

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Born: February 2, 1972, Santiago, Chile

Citizenship: Chilean

Marital status: Married

Children: Two

Degrees:

- Ph.D. in Engineering Sciences (Major in Mathematical Modeling), Universidad de Chile, December 1998.
- Ph.D. in Mathematics and Theoretical Mechanics, Université de Montpellier, France, December 1998.
- Mathematical Engineer, Universidad de Chile, 1996.
- B.S. in Engineering Sciences (Major in Mathematical Engineering), Universidad de Chile, 1994.

Education: 1996-1998 Ph.D. studies at Université de Montpellier and Universidad de Chile as part of a French-Chilean scientific cooperation program ECOS/CONICYT. Advisors: Hédya Attouch and [Roberto Cominetti](#). Thesis: *Dissipative Dynamical Systems and Parametric Approximation Methods in Convex Optimization*

1990-1995 Mathematical engineering studies at the School of Engineering of the Universidad de Chile.

Visiting positions

- INRIA-Rocquencourt, France. Fall 2004.
- Université de Toulon, France. Spring 2003.

Special activities and distinctions:

- Member, “Grupo de Estudio de Matemáticas” of FONDECYT (CONICYT-Chile), 2003-2004.
- Chair, Organizing Committee, FLACAM 2005: VII French-Latin American Congress on Applied Mathematics.
- Awarded the “Chilean Academy of Sciences Prize 1999” for the best Ph.D. thesis in Sciences.
- Foreign Scholarship grant from the French Ministry of Education, 1996-1998.
- National Scholarship grant from the CONICYT of Chile, 1996-1998.
- Referee for the journals Mathematical Programming, SIAM Journal on Control and Optimization, SIAM Journal on Optimization, Journal of Convex Analysis, Journal of Optimization Theory and Applications, Journal of Mathematical Analysis and Applications.

Teaching and advising:

- Undergraduate teaching at the Engineering School of Universidad de Chile (first and second year, and Mathematical Engineering program), and at graduate level in the doctoral program in Engineering Sciences (Major in Mathematical Modeling).
- Advisor of Miguel Carrasco Briones (Mathematical Engineering, 2003), Francisco González Santander (Master of Operations Research, 2004). Presently supervising the Ph.D. thesis of Miguel Carrasco Briones and the Mathematical Engineering thesis of José Aliste Prieto.

Projects:

- Principal Investigator, research grant FONDECYT (CONICYT-Chile) 1020610: “*Discrete and Continuous Approximation of Solutions via Penalty Methods in Constrained Optimization*”, 2002-2004.
- Member of the Millennium Science Nucleus “*Complex Engineering Systems*”, MIDEPLAN-Chile, 2002-2004.
- Principal investigator (Chilean head), project ECOS/CONICYT in Optimization and Equilibrium Problems, Chilean-French Research Cooperation Program, 2000-2002.
- Principal Investigator, research grant FONDECYT (CONICYT-Chile) 1990884: “*Dissipative Dynamical Systems and Approximation Methods in Optimization and Variational Problems*”, 1999-2001.
- Associate researcher, Centro de Modelamiento Matemático, U. de Chile, project FONDAP in Applied Mathematics (CONICYT-Chile) since March 1999.