

CURRICULUM VITAE

I. Personal Information

NAME : Patricio N. Inostroza F.
BIRTH DATE : July 25, 1966
NATIONALITY : Chilean
ADDRESS : Departamento de Ciencias de la
Computación, Universidad de Chile,
Casilla 2777, Av. Blanco Encalada 2120,
Santiago, CHILE
TELEPHONE : +56 (2) 689-2736
FAX : +56 (2) 689-5531
E-mail : pinostro@dcc.uchile.cl
WWW : <http://www.dcc.uchile.cl/~pinostro>

II. Studies

- o Licentiate in Engineering Sciences mention Computer Science. Universidad de Chile, 1992.
- o Engineer in Computer Science. Universidad de Chile, 1994.
- o Second year of Ph.D. study in computer science. University Joseph Fourier, France (1999).

III. Academic Experience and Participation in Research Projects

Academic Experience

- o Instructor of the courses Computación I, Computación II and Computer Graphics at the Universidad de Chile.

Experience and Participation in Research Projects

- o Project AVIS: Audio & Video Individualized & Spatialized. April 97-April 2000. Ph.D. student. Project leader: Jacques Lemordant. Supported by French-Telecom
- o An Environmental Information and modeling systems (EIMS) for sustainable development, 1995-1997. Co-researcher. (Project leader: Fernando Santibañez, Victor Marín, María-Cecilia Rivara; Supported by IBM).
- o Generación y Modificación de mallas de tetraedros y objetos poliédricos, 1994-1996. (Generation and modification of tetrahedrons mesh) Co-Researcher. (Project leader: María-Cecilia Rivara).
- o Graphical F.E. system based on interactive and adaptive mesh generation. 1991-1993. Research Assistant. (Project leader: María-Cecilia Rivara).

IV. Professional Experience

- o Design and development of computational system for remote control of a video camera under ATM network. Silicomp, France, 1998.
- o Design and development of computational system for counting

votes of Chilean President, Senate and Parliament election.
Supported by the Chilean Government.
Project leader M.C. Rivara, 1993.

- o Design and development of a computational system for file conversion. Aetna Chile, 1990.
- o Development of computational system for scheduling workdays. Codelco Chile. January-February 1990.
- o Topography Assistant. Codelco Chile. October 1988-January 1989.

V. Publication Record

- o P. Inostroza, J. Lemordant, J.M. Trivi,
Selection de sources et composition 3D temps réel. Coresa'98,
Lannion, june 1998. pp.261-271
- o María-Cecilia Rivara y Patricio Inostroza. Using Longest-side bisection techniques for the automatic refinement of Delaunay triangulations. International Journal for Numerical Methods in Engineering, 1996.
- o Inostroza, P. "Algoritmo Incremental de Delaunay con barrido en línea". VI Encuentro de geometría Computacional. Barcelona, España. F.Hurtado M.Nuy y J.Tria (editores), pp 222-224, 1995.
- o María-Cecilia Rivara y Patricio Inostroza. A discussion on mixed (longest-side midpoint insertion) Delaunay technique for triangulation problem. 4to Annual International Meshing Roundtable Alburquerque, Nuevo Mexico, 1995.
- o María-Cecilia Rivara y Patricio Inostroza. Modelos Matemáticos en Ingeniería Moderna. Cap. 7: Triangulaciones Irregulares y Aplicaciones en Ingeniería, McGraw Hill Latinoamerica, 1995 (to appear).
- o Inostroza, P. and Rivara M.C. "Triangulación interactiva de Polígonos". II Congreso Venezolano de Métodos Numéricos en Ingeniería y Ciencias Aplicadas. Maracaibo, Venezuela, Noviembre, 1994.
- o Rivara, M.C. and Inostroza, P. "Modelación de terrenos mediante triangulaciones". VII Simposio Internacional en Aplicaciones de Informatica: INFONOR'94. Antofagasta, Chile, Noviembre de 1994.
- o Inostroza, P. "Ambiente experimental para la generación de mallas en 2D. Memoria Ingeniero Civil en Computación. Departamento de Ciencias de la Computación, U. de Chile, 1994.
- o Rivara, M.C. and Inostroza, P. "A comparison of algorithms for the triangulation refinement problem". Proceedings of the XIII International Conference of the Chilean Computer Science Society, R. Baeza (Ed.), La Serena, Chile, 1993, pp.63-72.
- o Inostroza, P. y Rivara, M.C., "Herramienta Gráfica Interactiva Para Generar Triangulaciones en 2D". Proceedings of the International Congress on Numerical Methods in Engineering and Applied Sciences, H. Alder, J.C. Heinrich, S.Lavanchy, E.Óñate, B. Suarez (Eds.). CIMNE, Barcelona, Spain, 1992, pp. 533-542.

VI. Other Relevant Information

- o Scholarship holder of Chili government.
- o Orator in training course of Unix System and Internet.
- o Invited speaker at Universidad Catolica de Norte, Chile April, 1994.

- o Invited speaker at Tercer Encuentro de Informatica y su Impacto en la Educación, Universidad Metropolitana de Ciencias de la Educación, Santiago, Chile. November 1992.
- o Participation in the second Multimedia Workshop with the work "Herramienta Gráfica para Deformación de Formas Libres", Santiago, Chile. May 1992.
- o Scholarship holder for student exchange with Canada from the American Field Service, AFS. This organization foments the interaction with other cultures. August 1983 - July 1984.
- o Native language: Spanish
- o Other languages: I read and speak a good french, my write french is moderate. I can read and understand English well.
- o Programing Language: Java, C, C++, Lisp, SQL, ...
- o Operating System: Unix, Window, DOS.
- o Programing environment: PC, X11 (Xlib, Xview).
- o My hobby: the photographic B/W.