

Felipe Calderero Patino

CURRICULUM VITAE

Address: Building D5. Office 216-C
Campus Nord, UPC
Jordi Girona, 1-3
08034 Barcelona (Spain)

Phone: +34 93 401 09 96 (office)
+34 656 27 82 42 (cell phone)

E-mail: felipe@gps.tsc.upc.edu

EDUCATION

PhD. Student at the Image Processing Group.

Department of Signal Theory and Communications. Technical University of Catalonia (UPC).
Advisor: Prof. Ferran Marqués. November, 2004 – Present.

Student of Master of Science in Information and Communication Technologies.

Department of Signal Theory and Communications. Technical University of Catalonia (UPC).
November, 2004 – Present.

Master Degree in Electrical (Telecommunications) Engineering.

Diploma Thesis at Northeastern University (Boston):
Level Sets Applied to Inverse Problem in Electrocardiography.
Technical University of Catalonia (UPC). September, 1999 – November, 2004.

PUBLICACIONES

A Method to Reconstruct Activation Wavefronts Without Isotropy Assumptions Using a Level Sets Approach. Accepted at FIMH 2005 (Functional Imaging and Modeling of the Heart 2005).
Barcelona, June 2-4, 2005.

A Level Set Algorithm for the Inverse Problem of Electrocardiography. Accepted at 38th Asilomar
Conference on Signals, Systems and Computers. November 7-10, 2004. Monterrey, California, USA.

PROFESSIONAL EXPERIENCE

**Image Processing Group Research Assistant,
*Computers in the Human Interaction Loop (CHIL).***

Project developed under the Sixth Framework Programme of the European Union.
Associate Professor Josep R. Casas
Technical University of Catalonia. From December 2004 to present.

**Image Processing Group Research Assistant.
*3D Posture Estimation Using Geodesic Distance Maps.***

Professor Ferran Marqués.
Technical University of Catalonia. From September 2003 to December 2003.

LANGUAGES

<u>English:</u>	High level
<u>French:</u>	Middle-low level
<u>Spanish and Catalan:</u>	Mother tongues (bilingual)

PROFESSIONAL AFFILIATIONS

Barcelona IEEE Student Branch member since March 2002 and chairman from September 2002 to September 2003. IEEE-Buran Technical Magazine Editor Assistant, No. 18 and No.19.

Barcelona BEST Member (Board of European Students of Technology). From July 2002 to present.

HONOURS & AWARDS

Secondary Education Extraordinary Award, 1998.

Skills I can offer:

- * experience in 3D gesture and position estimation, working with Prof. Marqués at UPC for 6 months;

- * knowledge in Level Sets (PDE) thanks to my diploma thesis at Northeastern University in Boston;

- * knowledge in Morphological Image Analysis (advanced lectures during my degree and personal interest);

- * experience in C programming, working with the software of the Image Processing Group at UPC.