

Juan David García-Arteaga

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Education

2008 (expected)	Ph.D. Biomedical Image Processing	Czech Technical University (Czech Republic)
2005	D.E.A. System Engineering and Automation	Technical University of Catalonia (Spain)
2000	Electrical Engineer	University of Los Andes (Colombia)

Teaching Experience

2006,2007	Teaching Assistant Signal and Image Processing	Czech Technical University (Czech Republic)
2006	Teaching Assistant Computer Vision and Virtual Reality	Czech Technical University (Czech Republic)
1999	Teaching Assistant Modeling and Analysis of Dynamic Systems	University of Los Andes (Colombia)
1999	Lab Assistant Electrical Engineering Signal Lab	University of Los Andes (Colombia)

Employment

Center For Machine Perception Prague, Czech Rep.
Research Fellow 2004–Present
Developed and implemented an innovative image registration algorithm intended for commercial use on colposcopic images. I have actively participated in various projects of elastic image registration, image mosaicing, and feature matching.

Schlumberger Wireline and Testing USA, Mexico, Colombia
Wireline Field Engineer 2000-2001
Worked in the execution and planning of wireline electrical logs (sonic, electrical, nuclear, etc.) for oil and gas wells. Performed the initial interpretation and quality control evaluation of these logs.

ICONTEC Bogotá, Colombia
Lab Expert 2000
Installed and operated the automation equipment for the temperature calibration services (thermometers, thermocouple, thermo resistances, etc.).

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Colombian National Police
Military Police Private (Mandatory Service)
Basic Military Training. Was assigned to aid and translate for foreign visiting officers in the teaching of military, planning and organizational skills and techniques to Colombian Anti-Narcotics police officers.

Espinal, Colombia
1993-1994

Publications

García-Arteaga J. D., Kybic J., Gu J., Li W. *Geometric and Information Constraints for Automatic Landmark Selection in Colposcopy Sequences*, VISAPP 2007, pp. 333-338, Barcelona, Spain, 8-11 March 2007

García-Arteaga J. D., Kybic J., Li W. *Automatic landmark detection for cervical Image Registration Validation* SPIE Medical Imaging 2007, San Diego, California, 17-22 February 2007

García-Arteaga J. D. Kybic J. Li W. *Elastic Image Registration for Movement Compensation in Digital Colposcopy*, Proceedings on the 18th International EURASIP Conference BIOSIGNAL 2006, Brno, Czech Republic, June 28-30 2006

Pinzón R. , Garavito G., Hata Y., Arteaga L., García J. D., *Development of an Automatic Counting System for Blood Smears*, Memories of the XXII Congress of the Spanish Biomedical Engineering Society, pp 45-49, Santiago de Compostela, Nov 2004 (Spanish)

García, J.D., *Working Report on the Use of Mathematical Morphology for Blood Smear Processing*, AVR 2004, Barcelona, February 3-4 2004

Language Skills

Excellent written and spoken Spanish (mother tongue) and English.
Fluent in Catalan and French.
Basic Czech.

Computer Skills

C, C++, Java, Linux, L^AT_EX, Matlab, Microsoft Office, AutoCAD, Excel.

Volunteer Work

I was member of the Colombian Students Association in Catalonia Enlace-Barcelona and have been an active member of Amnesty International's English Speaking Group in Prague, Czech Republic, during the last years (2005-2007).

Sports

Rugby: Played for the Bogota Barbarians Rugby Football Club from 1996 to 2001 .

Long-distance running: I have run two marathons, several half-marathons and enjoy competing regularly in various distance races.