

CURRICULUM VITAE

I). GENERAL INFORMATION

Surname: García Vázques.
Given Name: Mireya Sarafí
Birth Date: October 8, 1970.
Nationality: Mexican.
Status: Single.
Address: 1, Square de Copenhague log.7067
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II). EDUCATION

- **Sept. 2000-2004**

I am currently pursuing the Ph.D. degree in Traitement du Signal et Télécommunications at Institut de Recherche en Informatique et Systèmes Aleatoires (IRISA-INRIA), University of Rennes 1, Rennes Francia.

Thesis title: "Analyse des objets mouvements non-plans des objet vidéo: Application à la manipulation et à la compression basée objet des séquences vidéo".

Director : Dr. Henri Nicolas

Co-director : Dr. Victor García Garduño (UNAM-MEXICO)

- **Feb. 1998-Feb. 1999**

Master's thesis on Digital System, Centro de Investigación y Desarrollo de Tecnología Digital (CITEDI) and Universidad Nacional Autónoma de México (UNAM).

Thesis title: De la compresión de imágenes basada en pixel a la manipulación de video digital.

Director: Dr. Victor García Garduño.

- **Nov. 1996-Nov.1997**

Master of Science on Digital Systems, CITEDI, Tijuana, B.C. MEXICO

- **Aug 1989-Jun1994.**

Bachelor of Science in industrial Electronic Engineer.

III). ACADEMIC DISTINCTION

- CONACYT Scholarship to do studies of doctoral degree in France (sept. 1999-2003) \$1,250 dlls per month.

IV). RESEARCH INTEREST

- Digital video analysis.
- Manipulation of objects and scenes in digital video for multimedia applications.
- Motion estimation for video compression.

V). PROFESSIONAL EXPERIENCE

- Jan. 1992-Aug 1994. American Film Technologies of Mexico, S.A. de C.V.
Technical Color Engineer of black and white movies.

VI). SCIENTIFIC PRODUCTION

- García Mireya, Nicolas Henri, Non-planar rotation estimation for video object trajectory analysis. - accepted for publication in the Proceedings of ICME, Baltimore, USA, July 2003.
- M. García and H. Nicolas. - An efficient and direct non-planar rotation estimation algorithm for video applications. - accepted for publication in the Proceedings of VCIP, Lugano, Switzerland, July 2003.
- M. García and H. Nicolas. Estimation of non-planar rotation for video coding application . - accepted for publication in the Proceedings of PCS, Saint-Malo, France, Avril 2003.
- García V. Mireya, Nicolas Henri, Video Object trajectory Analysis, ICIP2002, Rochester, NY.
- García V. Mireya, García Victor, Composición panorámica del fondo de una escena a partir de una secuencia de imágenes, IV Simposio Iberoamericano de Reconocimiento de Patrones, La Habana, Cuba.
- García V. Mireya, García Victor, Perspectivas y limitantes de la composición panorámica.
- García V. Mireya, Rolón Julio, García Juan, Análisis de una técnica de codificación de video a muy bajas tasas, CONATEC 97, Cd. Madero Tamaulipas.

VI). CERTIFICATES

- Universidad Autónoma de Baja California. VI Congress of Chemical Science and Engineering. « From image compression to video manipulation », Sept 1998.
- First Teleseminary about Digital TV. Secretaría de Educación Pública (SEP), April 12,19,26 and May 17,24,1997.
- Tektronix, MPEG Video Compression Technology overview. November 21, 1996.
- Project « We're back » of Universal Studios, July 1992-August 1993.

VI). LANGUAGES

- Spanish 100%
- English 85% in reading and writing.
- French 95% in reading and writing.