

**Dr. Juan Carlos Cheang-Wong** (Resume, July, 2010)



Born July 15, 1962, Mexico City.  
Nationality: Mexican.  
Languages: Spanish, French, English

**ACADEMIC POSITION**  
Associate Researcher-Professor  
(Permanent Position since 1999).

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**EDUCATION and additional research experience.**

2008 – 2009 Visiting Scholar for one year (2008-2009) at the **University of Seville** (Spain).  
2001 – 2002 Visiting Scholar for one year (2001-2002) at **Harvard University**, Cambridge, USA.  
1990 – 1994 Ph.D. in Physics (Materials Science) from the **University of Paris 7**, France.  
1989 – 1990 M. Sc. in Nuclear Physics from the **University of Paris 7**, France.  
1982 – 1988 Bachelor Degree in Physics from the Universidad Nacional Autónoma de Mexico (UNAM).

**PRIMARY RESEARCH INTEREST:**

- 1) Synthesis of nanoparticles by ion implantation in dielectric materials or by chemical methods (sol-gel).
- 2) Controlled shape deformation of nanoparticles by means of ion irradiation.
- 3) Tailoring and characterization of the nanoparticle properties for various applications.
- 4) Characterization and modification of a wide range of materials using ion beam techniques.
- 5) More than 20 years of experience working with MeV ion accelerators (ion implantation, RBS, NRA, channeling, etc).