

CURRICULUM VITAE

Name: Gary Chinga Carrasco
Born: 24.12.1969
Nationality: Chilean
Family: 2 boys, born in 1991 and 1993.
Languages: Spanish, Norwegian and English
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EDUCATION

1998-2002 Dr ing, Department of Chemical Engineering, Norwegian University of Science and Technology (NTNU)
1995-1997 Cand. scient. in Cellbiology, Department of Biology, Norwegian University of Science and Technology (NTNU)
- Cand mag., Department of Biology,
1991-1995 - Education within computer science, Dept. of informatics University of Trondheim (UNIT)
1989-1990 Gerhard Schønning Skole, Trondheim, Norway.
1984-1987 High School: Colegio Gerónimo Rendic, La Serena, Chile.

EMPLOYMENT HISTORY

2008- Senior research scientist, Paper and Fibre Research Institute (PFI)
2004-2007 Research scientist, Paper and Fibre Research Institute (PFI)
2002-2003 Post doc/Research scientist, PFI/NTNU
1998-2002 Norwegian University of Science and Technology (NTNU):
Plantebiosenteret, NTNU
1995-1998 - Working with 3D reconstruction of plant cells grown in microgravity in the Atlantis space shuttle. Experiments performed at Kennedy Space Center
1996 Department of physics, NTNU:
- Analysis of plant cells exposed to varying electrical impulses.

TEACHING EXPERIENCE

2011 Initiator and supervisor of the training course "Characterisation of nanostructured cellulose materials", PFI, Norway (165 hrs).
2009, 2010 Invited lecturer, Bio visualization course, Dept. of Biology NTNU, Norway.
2008 Invited lecturer, Paper tech. course, Dept. of Chemical engineering NTNU, Norway.
2006 Invited lecturer at the Chalmers/Södra Avancell Fibre Technology Seminar, Sweden.
2006 Invited lecturer in the advanced training course: 3D structure of paper. STFI-Packforsk, Stockholm, Sweden.
2003 Invited lecturer on coating layer characterisation, Pigment coating technology course for graduate students, Åbo Akademi, Finland.
1997 Cellbiology with genetics, Laboratory course (30 hrs)
Introduction to morphometrical analysis for biotechnology and cell biology students,
1995-1996 Department of Botany. Lecturer assistant in Cellbiology with genetics (75 hrs) , Plant physiology (75 hrs) and Electron microscopy techniques (99 hrs).
1990-1994 - Trondheim Katedralskole: Spanish teacher (Part-time)

OTHER RELEVANT EXPERIENCE

- o Main opponent in Joakim Järnström's PhD thesis defence, Åbo Akademi, May 2010.
- o Member of the scientific steering committee of the ImageJ conferences (2006, 2008, 2010) Luxembourg.
- o Norwegian representative in the standardization program ISO/TC6/SC2/WG25: Surface roughness
- o Norwegian representative in the standardization program ISO/TC6/WG3: Optical properties
- o Norwegian representative in the COST E32: Characterisation of paper surfaces for improved printing paper grades.

- Referee of international journals and scientific applications.
- Appointed external examiner at the Faculty of Information Technology, Mathematics and Electrical Engineering
- Supervisor, co-supervisor of undergraduate, PhD students
- Cooperation with Norwegian and international research institutes, within biology, medicine, paper technology, image analysis and volcanic research.
- Member of the Technical Association of the Norwegian Pulp and Paper Industry

SKILLS

Characterization and application of microfibrillated cellulose, fibre, paper, prints and composite materials. Multiscale 3D surface and bulk analyses, including several microscopy techniques. Initiator and coordinator of activities and research with national and international partners, resulting in several international refereed publications and conference/seminar participations during the last years.

CONTINUING EDUCATION

Java programming (2002) HiST, Norge

Pigment coating technology (2001), Åbo Akademi, Finland

Printability and Print Quality (2000) Royal Institute of Technology, Sweden

Scanning electron microscopy (1999) EEU-course, NTNU, Norway

Electron microscopic techniques (1995), NTNU, Norway

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