

CURRICULUM VITAE

Name: Gary Chinga Carrasco
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SKILLS

Development of automated methods for characterization and quantification of nanofibrillated cellulose, fibre, paper, prints and composite materials. Computer assisted microscopy, including e.g. sample preparation, ultramicrotoming, serial sectioning for light microscopy, scanning electron microscopy and transmission electron microscopy. In addition, 3D surface and bulk analysis based on e.g. laser profilometry, atomic force microscopy, confocal laser scanning microscopy, focused-ion-beam, and x-ray microtomography.

Highly motivated for contributing with research in relevant research areas. This is reflected by a large scientific production despite relatively limited research funding available for international publication. Gary Chinga Carrasco has initiated and coordinated activities and research with national and international partners, resulting in some 30 international refereed publications and 30 conference/seminar participations during the last 7 years.

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 AS)
2004-2007 Research scientist, Paper and Fibre Research Institute (PFI AS)
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

2009-2010 Invited lecturer, Bio visualization course, Dept. of Biology NTNU, Norway.
2008 Invited lecturer, Paper technology 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, Department of Botany.
1995-1996	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

- Member of the scientific steering committee of the ImageJ conferences (2006, 2008, 2010). Luxembourg.
- Norwegian representative in the standardization program ISO/TC6/SC2/WG25: Surface roughness
- Norwegian representative in the standardization program ISO/TC6/WG3: Optical properties
- Norwegian representative in the COST E32: Characterisation of paper surfaces for improved printing paper grades.
- Referee of international journals and scientific applications.
- Apointed 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

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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GCH.