IMEP-LAHC

SEMINAIRE INTERNE EXCEPTIONNEL

(**de 10h à 12h**, salle Belledonne, IMEP, MINATEC)

Mardi 05 juillet 2011

"Research at the New Materials and Devices Group of Escola Politécnica da Universidade de São Paulo"

by Inés PEREYRA and Marcelo N.P. CARREÑO

Topics

Inés Pereyra: Material production, characterization and optimization
Keywords: SiC, Si nanostructures, TiO_2, nanotubes.

Marcelo N.P. Carreño: Microfabrication processes, MEMS and MOEMS
Keywords: MEMS, MOEMS, PECVD, microfluidics.

Inés Pereyra *graduated in Physics at "Universidad de Buenos Aires" (1973) and obtained his PhD degree in Physics at University of Delaware (1980). She was a postdoctoral fellow in the Institute of Energy Conversion of the University of Delaware from 1981 to 1982. Currently, she is Full Professor at "Escola Politécnica da Universidade de São Paulo", where she founded and leads till today the "New materials and Devices" Group, coordinating research on the production and optimization of New dielectric, semiconductor and nanostructured materials, obtained by the PECVD and reactive Sputtering techniques for applications in electronic devices and MEMS. At present she is the Head of the " Laboratório de Microeletrônica (LME) da Escola Politécnica da USP", and also Vice-Chair of the Electronic Systems Department at "Escola Politécnica da Universidade de São Paulo" (PSI/ EPUSP).*

Marcelo N.P. Carreño *graduated in Physics at University of São Paulo in 1985 and received the Doctor degree in Electric Engineering (Microelectronics) from "Escola Politécnica" of University of São Paulo in 1994. Currently, he is Associated Professor at the same University, where he founded and leads "New Materials and Devices" Group, coordinating research on development of MEMS, MOEMS, and Microfluidics. He also works with the development of software for numerical simulation of physical phenomena.*

Institut de Microélectronique, Electromagnétisme et Photonique
MINATEC, 3 Parvis Louis Neel, BP 257, 38016 GRENOBLE CEDEX 1, France
Tél. +33 (0) 456.529.503 - Fax. +33 (0) 456.529.501
UMR 5130 CNRS, Grenoble INP, UJF
Institut Polytechnique de GRENOBLE