

The MEMSWAVE Inco-Copernicus Project (1998-2001) Micromachined circuits for microwave and millimeter wave applications co-ordinated by IMT-Bucharest was selected between the 10 finalists (from 108 applicants) for the DESCARTES Prize 2002 of the European Commission.



Partners involved in the MEMSWAVE project

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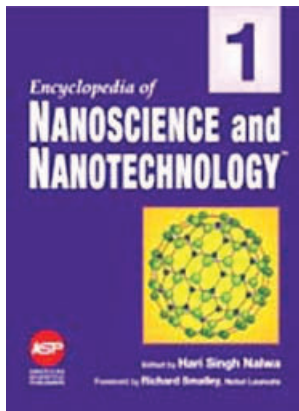
Dr. Vadim F. Mitin



<http://www.cordis.lu/descartes/>

The main scientific and technological objective of the INCO-COPERNICUS Project 977131 "MEMSWAVE" was the development of novel designs and technologies for the fabrication of micromachined devices as reproducible, reliable, and relatively low cost solutions for a variety of microwave and millimeter wave circuit and subsystem applications. This was a new research topic for the EC.

Web page: www.imt.ro/MEMSWAVE



World's First Encyclopedia ever Published in Nanotechnology

Edited by

Hari Singh Nalwa - Editor-in-Chief

Journal of Nanoscience and Nanotechnology

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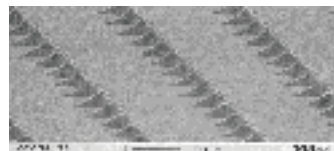
Dr. Mihai Mihaila - Low Frequency Noise in Nanomaterials and Nanostructures

Cooperation with IMM Mainz - Germany

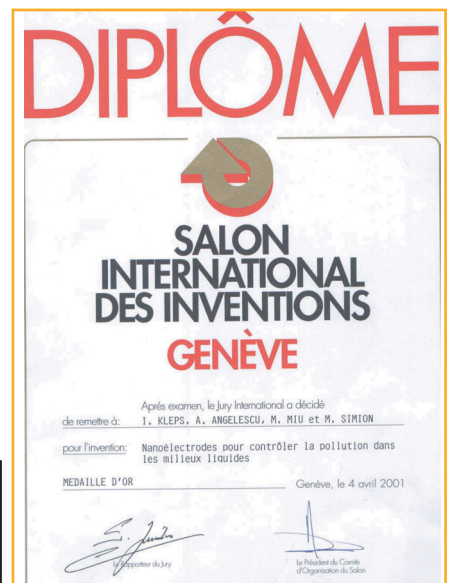


Acces to: - silicon fabrication technologies.

EMERGE Project (FP 5 - Improving Human Potential Transnational Access to Research Infrastructures): Technology of silicon nano- and microelectrode arrays for pollution control.



Pt/Si nanostructure for nanoelectrode detection system (IMM- Mainz collaboration)



The results of the researchers from IMT-Center of Nanotechnology in the field of nanoelectrode arrays were appreciated in the frame of the International Saloon of Inventions from Geneva, 2001 and were awarded by Gold Medal.



Cooperation with Institut de Physique et Chimie des Matériaux - Strasbourg, France, Brancusi Project -

The aim of this project is to prepare a cold electron source based on a new technology of carbon nanotubes selective growth on the tip of silicon nanoelectrodes.

Carbon grown: a) on the tip of silicon pyramids; b) on the silicon groove

