



Founders and members

CEO: Emeritus Professor Paolo Ciambelli

CTO: Associate Professor Maria Sarno

CFO: Full Professor Francesco Polese

COO: PhD Debora Sarno

Staff

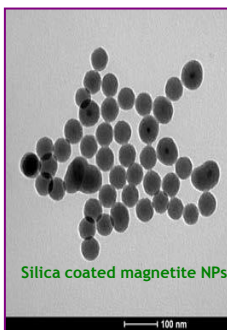
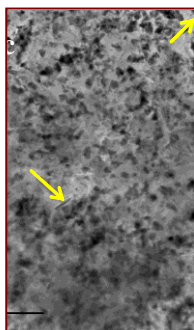
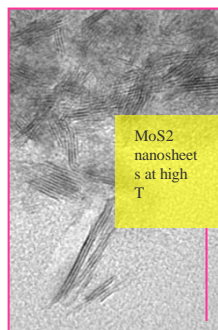
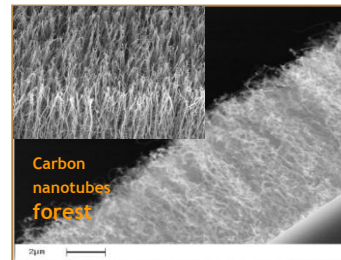
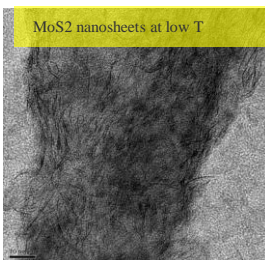
MD Eng. Marcello Casa

MD Eng. Gianluca Viscusi

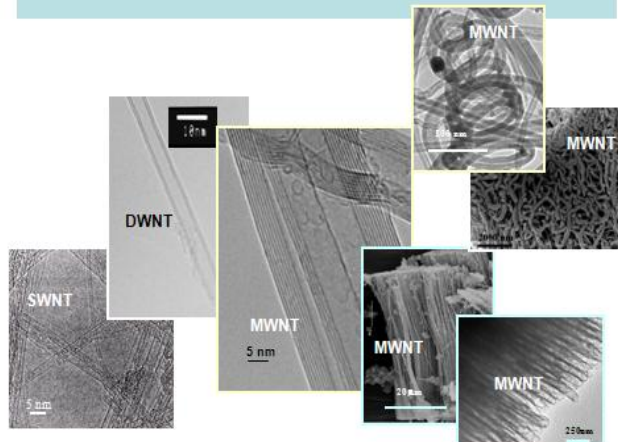
Head quartier

Narrando srl
 via Giovanni Paolo II, 132, 84084 Fisciano
 (SA), Italy
 phone +39 3207979006

www.narrandosrl.it



CNT synthesis by Catalytic Chemical Vapour Deposition (CCVD)



Introducing NARRANDO

Narrando, born as spin off of the University of Salerno, is innovative startup with know-how in the development, production and commercialization of nanomaterials and nanomaterials-based devices for application in the field of energy, environment, health, food, transportation, electronics, biotechnology.

NARRANDO has developed a nano dosimeter prototype for real time measurement of radiation, based on graphene- or carbon nanotube modified electrode of a miniaturized ionization chamber. Main field of application is radiotherapeutics and radiodiagnostics

Main products developed or in progress are single, double, and multi wall carbon nanotubes, single and few layer graphene, graphene oxide, reduced graphene oxide, hybride organic-inorganic molybdenum disulphide nanosheet, supported and/or functionalized metal and metal oxide nanoparticles (Au, Ag, Ru, Ni, NiO, TiO2, ZnO, Pt/PtO2, RuS2, WS2).

Main fields of application are lubrication, energy storage, water treatment, enzyme catalysis, conductive adhesion, photovoltaic, sensing.

Current activities at NARRANDO

Novel polymer composites with special electric, magnetic and optical properties

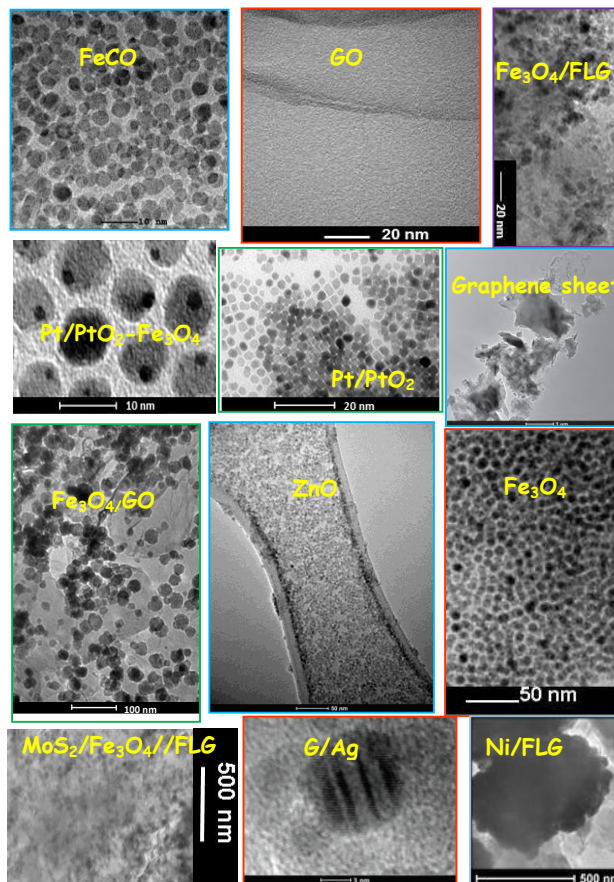
NARRANDO is SME partner of the Consortium of "Graphene 3D" Horizon 2020 RISE project (2017 - 2020) "Multifunctional Graphene-based Nanocomposites with Robust Electromagnetic and Thermal Properties for 3D-printing Application", providing graphene like and carbon nanotubes fillers for 3D printable polymer nanocomposites.
<http://graphene3d.imbm.bas.bg>

As also guest of the Department of Industrial engineering of the University of Salerno, NARRANDO has indirect access to the main facilities dealing with the characterization of nano materials:

- Microscopy (AFM, SEM, FESEM, STM, EFM, MFM, TEM)**
- NMR and Raman spectroscopy**
- Thermal analysis (TG-MS, DTA, DSC, μ TA)**
- X-ray diffractometry**

We have developed and tested several nanomaterials capable of reducing attrition coefficient and wearing, mostly based on 1D and 2D carbon or 2D metal sulphides.

Patented synthesis of hybrid nano sheets of Mo- and WS₂. Very small concentration of additive in the lubricant package.



CCVD Synthesis of carbon nanotubes and graphene for application.

More current activities

THIN FILMS AND NANOSTRUCTURES FOR ELECTRONIC DEVICES

CONDUCTIVE ADHESIVES

ELECTRODES FOR SUPERCAPACITORS

SENSORS

BIOCATALYSTS

CATALYSTS FOR WASTE WATER

SELF ASSEMBLED NANOSTRUCTURES

NANOADDITIVES FOR GREASE AND LIQUID LUBRICANT

SORBENTS

NANO-HETEROJUNCTIONS

We offer cooperation/consultance for developing novel materials and devices in the above subjects.

At request we can provide nanomaterials for the above applications

Contact: pciambelli@unisa.it
 0039089964151 00393207979006