

RELEVANT R&D PROJECTS AS DIRECTOR :

MANUNETMNET17/ENER-1218: STEWART - SorTing system for dEmolitionWaste based on advanced RoboTics2018-2020

EuroNanoMed, 4-002/2012: Combined hyperthermo-chemotherapy for the control of liver tumors, based on microwave activation of sub-endothelial immobilized functional nanostructures 2012-2014

NATO SfP 983931 / SUSCAREM / SUSustainable management of toxic pollutants in Central Asia: towards a Regional Ecosystem Model for environmental security 2011-2013

NMP-STREP/FP6/ nr. 013641/ CHISMACOMB – Smart chiral Honeycomb materials 2005-2007

A.v. Humboldt – Institutspartnerschaft: VIRTUAL-SYDECOM - Distributed Internet-based advanced methods in support of systems design, control and management in engineering practice 2007-2009

ERA-NET MNT/7-014/2008 NACOPAN - Polymer based conductive nanocomposites with predefined structure and dielectric and EMC properties dedicated to shielding / EM absorbent panels for special buildings 2006-2008

Nato CLG 980057/ PST / Multifactor accelerated aging of electrical insulation under conflict conditions and remedial actions 2004-2005

CAPACITATI, Modul III, Bilateral Project RO – Korea, 64CB/2008: Crystallinenanoporous silica zeolite thin-films for materials with low dielectric constant2008 – 2009

CAPACITATI, Modul III, Bilateral Project RO – Turkey, 63CB/2008: Absorbing screens and panels for special use, based on nano-structural composites with predefined architecture and custom dielectric and electromagnetic properties2008 – 2009

CAPACITATI, Modul III, Bilateral Project RO – Slovakia, 655/2013: Innovative composite materials for electromagnetic shielding based on nano-conductive powders obtained from WEEE recycling 2013-2014

PN2 Idei / CNCSIS/320/2007: Broadband Dielectric Spectroscopy as a comparative, non-destructive and non-invasive method for determining compounds of potential risk in food products 2007-2009

CEEX M2PD/ CNCSIS/ 1527/2006:Advanced dielectric measurements dedicated to the field of bio and nano composites2006-2008

CORINT / CNMP / 115/2006: Intelligent Chiral-materials for multi-sectoral applications 2006-2007

Grant A /CNCSIS / 489:Advanced methods for designing and testing of insulation systems able to operate in extreme and fault-tolerant conditions 2004-2006

Grant E /CNCSIS / 82:Advanced method of quality analysis and optimization of structure and technology of bio and nano-composites, based on dielectric spectroscopy correlated with the finite element theory2004-2006

GrantA / CNCSIS / 230: Estimation of the reliability of the insulation systems using the analysis of the partial discharge phenomenon in wide frequency band and applications in power engineering 2002-2004

CEEX M1/ MATNANTECH, 79: Biocomposites obtained by recycling of PET waste with use of ligno-cellulosic derivatives 2006-2008

CEEX M3/CNMP/BCN-NET: Developing the capacity of Romanian integration in European programs, platforms and networks in the field of biocomposites with vast industrial applications 2006-2008

Leonardo mobilities - Istituto Tecnico Industriale Statale "Vittorio Emanuele III", Palermo, Italia: Quality management of measurements laboratories in industry and services 2001-2002