

FIT-4-NMP Networking and Brokerage Event

organized by FIT-4-NMP H2020 project at the 45th International Semiconductor Conference - CAS 2022

NANOM MEMS SRL - PROJECTS AND ACHIEVEMENTS - NEW RESEARCH OPPORTUNITIES

Projects:

NANOM MEMS srl –INCD FM Joint Research Project, -"Multifunctional Intelligent Materials for High Tech Applications" 2018-2021

Valorificarea unor noi tinte terapeutice in boala Alzheimer si patologii neurodegenerative asociate "

Contract Eureka nr. 63/ 2018 2018-2024

VOC-DETECT- "Smart Portable System for VOCs detection



Ctr.112/2019

NANO-EH Project

"PHEMTRONICS" - a H2020 FETO PEN Project (2020-2023)

"Capitalization of magnetic nanoparticles in the development of a micro-magnetic device",

Contract No. 522PED/2020 - 2020-2022

Platformă analitică microfluidică nanostructurată pentru detecția duală SERS-electrochimică a unor poluanți emergenți ai mediului **POLSENS**

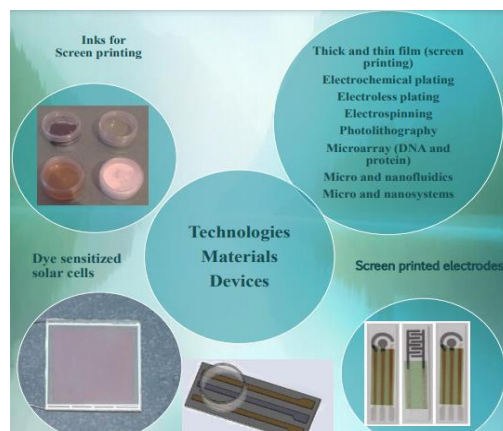
Contr. RO-NO Nr. 32/2020 - 2020-2023

TECHNOLOGIES

- Thick and thin film (screen printing and inkjet printing)
- Electrochemical plating
- Electroless plating
- Electrospinning
- Photolithography
- Microarray (DNA and protein)
- Micro and nanofluidics
- Digital microfluidics
- Micro and nanosystems
- Supercritical fluid processing
- Laser processing
- Hybrid integration

MATERIALS

- Thick and thin film inks
- Ceramic components
- Metallic powders
- Carbon components
- Conducting polymers
- Micro and nanofibers
- Organic/inorganic and Biochemical compounds



DEVICES

- DS solar cells
- Screen printed electrodes
- Sensors and biosensors
- MEMS and BioMEMS

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Reference of Call/ topic of interest:

New materials, technologies and devices

Potential contribution/ main ideas:

- Complete experience of research, new materials and process development to scale production of passive and active microdevices fabrication
- Fast transition from IP review and technology radar to novel concept development.

