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MINISTRY OF RESEARCH, INNOVATION AND DIGITIZATION
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Expression of interest in collaborating as a partner on Horizon Europe calls

*On behalf of The National Institute of Research and Development in Mechatronics and Measurement Technique (INCDMTM),, we would like to express interest to cooperate as **a partner** in the following areas of Horizon Europe. More information about institute can be found below. For questions or remarks, please email mihaiflori@yahoo.com.*

Prevention and Preparedness for Marine Pollution at Sea and on Shore

Programme	Union Civil Protection Mechanism (UCPM)
ID	UCPM-2021-PP-MARIPOL
Types of action	UCPM Project Grants
Deadline model	single-stage
Opening date	11 March 2021
Deadline date	08 June 2021 17:00:00 Brussels time

Prevention and Preparedness for Cross-Border Risks

Programme	Union Civil Protection Mechanism (UCPM)
ID	UCPM-2021-PP-CBR
Types of action	UCPM Project Grants
Deadline model	single-stage
Opening date	11 March 2021
Deadline date	09 June 2021 17:00:00 Brussels time

Brief description of contribution as a partner:

The National Institute of Research and Development in Mechatronics and Measurement Technique (INCDMTM), headquartered in Bucharest, Romania, is active in applied research and development, focused on mechatronics and smart measurement techniques.

Established in 1971, in the 50 years of experience in R&D, INCDMTM has gained national and international prestige, resulting from successful partnerships with organizations from research, education and business environment.

INCDMTM developed its capabilities in accordance with National and European trends and guidelines, as proven by advanced laboratory infrastructure, the existence of the technology transfer center and the existence of the Regional Cluster for Mechatronics.

Since November 2020 has created the Center of Support for Writing Competitive Research and Innovation Projects in the field of Mechatronics and MixMechatronics.

The main goal of our institute is excellence and innovative research. To reach this goal, INCDMTM has a long-term strategy for human resources in accordance with the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers, and a sound IP, Technology Transfer and Innovation Management Policy.

The quality of research work is proven by a large number of national and international prizes and distinctions received by our research staff every year.

Our staff is composed of more than 100 employees, with strong backgrounds in research, engineering, marketing, strategy, IP and technology transfer.

Our skilled team of engineers and researchers work together to find new perspectives and innovative solutions to problems arising from today`s industry and society needs, that require multidisciplinary approaches in the following competence areas:

1. Smart Measurement Mechatronics and manufacturing technologies:
• Mechatronic integrated control systems
• Smart precision and control measurements
• Complex automation and control systems
• Embedded and real-time systems
• Environmental engineering systems and renewable energy
• Dynamic and vibrations
• Smart thermo-technical measurements
• Virtual simulation and physical testing
• Software development for embedded systems
• Adaptive and smart manufacturing systems
• Smart micro/nano manufacturing technologies
• Mechatronics for advanced manufacturing systems
• Handling technology and robotics

2. Biomedical Mechatronics and Robotics:
• Biomechatronics
• Smart systems. Data Acquisitions and Robotics
• Investigation Microsystems, Biosensors and Biomaterials
• Smart assistive platforms and devices that enhance the physical capabilities of patients

• Smart assistive platforms and devices that monitor and enhance the physical capabilities of patients
• Rapid Prototyping

3. Mechatronic Micro and Nanotechnologies:
• Process Micro and Nanotechnologies
• Mechatronic MEMS and NEMS
• Smart Measurement Technologies
• Materials characterisation and tribological parameters determination

Our research topics are useful in a variety of industries:

- Mechanical and plant engineering
- Industrial automation
- Automotive
- Smart home and smart city.

Besides, we have a team of experts in technology transfer, IP, communication and dissemination of RDI results, and also professionals actively involved in shaping national RDI strategy and public policies.

We are a reliable project partner in national and international projects, as proven by our rich project portfolio, financed by Structural Funds, FP6, FP7, INTERREG IVC, Danube Transnational Programme and Erasmus+.

According to our expertise, we are interested in joining as project partner.

For collaboration, please feel free to contact Mrs. Florentina Badea mihaiflori@yahoo.com