

Digitization, industry and space

3 centers of excellence dedicated to: emerging technologies, advanced materials and circular economy, with a cumulative budget of 241.4 mil. lei:

- Center of Excellence for Circular Chemistry and Economy - Chemo-catalytic paradigms in multiphase waste valorization (0053)
- Center for Emergent and Digital Technologies for Advanced Materials Resilient to Extreme Conditions and Hostile Environments (0162)
- Excellence center of advanced responsive materials (0187)



Excellence center of advanced responsive materials (0187)

Purpose: a leading European center for academic research, industrial collaboration and training in the field of advanced responsive materials. The center will strongly influence the development of a clean industry through the use of new materials, composites and devices based on them, which will enable a wide range of applications with features such as low environmental impact, high energy efficiency, waste reduction, streamlining manufacturing processes, enabling smart packaging, improving environmental monitoring and developing green energy solutions.

Coordinator: **Ionuț - Marius ENCULESCU – National Institute of Materials Physics**

Partners:

- INFLPR – National Institute for Laser, Plasma and Radiation Physics
- IMT - The National Institute for R&D in Microtechnologies
- IFIN-HH – Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering
- INCDMTM – The National Institute of R&D in Mechatronics and Measurement Technique
- IFT – National Institute for Technical Physics
- UNSTPB – University Politehnica of Bucharest
- UVT – West University of Timisoara

Mentor: Magdalena Titirici

Institution: Imperial College London, UK



Region: **Bucharest - Ilfov**

Performance:

Final Score: **89.5** points