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)

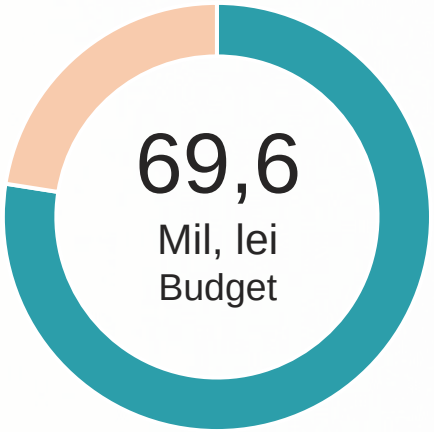
Center for Emergent and Digital Technologies for Advanced Materials Resilient to Extreme Conditions and Hostile Environments (0162)

The aim of the project is to carry out an innovative research program to support 3D printing of metallic materials and surface coatings, as a sustainable and value-added manufacturing process, applicable in various industrial sectors exposed to extreme or hostile environments (high temperatures, variable and dynamic stresses, oxidative and/or corrosive conditions).

Coordinator: **Prof. Tudor SIRETEANU - Solid Mechanics Institute**

Partners:

- RATEN - Technologies for Nuclear Energy State Owned Company
- COMOTI - Romanian R&D Institute for Gas Turbines
- INCAS - National Institute for Aerospace Research "Elie Carafoli"
- IMNR - National R&D Institute for Non-ferrous and Rare Metals



Region: **Bucharest - Ilfov**

Mentor: CATALIN R. PICU

Institution: Rensselaer Polytechnic Institute, USA

Performance:

Final Score: **89.5** points