

## RESEARCH CENTERS



(logo actualizat)

### Research center:

Advanced design technologies, assisted manufacturing and quality assurance of industrial processes

**Acronym:** TAPFAAC

**Site:** <http://upm.ro/cercetare/CentreCercetare/Tapfa/>

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**Areas of expertise:** The research group deals with: Design and manufacturing of gearing systems, Materials mechanical tests, Mechanical design and optimization, CNC machining technology design, Manufacturing of complex parts, Molds and dies, Materials analysis and characterisation, Surface engineering (electrochemical anodization / mechanical and chemical procedures), Heat treatment, Materials testing, Quality management framework development/implementation, Integrated management framework development/implementation, Training in the field of quality assurance.

### Laboratories

- **Advanced Design and Manufacturing Technologies Laboratory**  
(<https://erris.gov.ro/Advanced-Design-and-Manufact>)
- **Biomaterials Surface Engineering Laboratory**  
(<https://erris.gov.ro/Biomaterials-Surface-Engineering>)
- **Quality Management Laboratory** (<https://erris.gov.ro/Quality-Management-Laborator>)