

Coordinator:



www.utcluj.ro

Partners:



www.lboro.ac.uk

FH AACHEN
UNIVERSITY OF APPLIED SCIENCES



www.fh-aachen.de



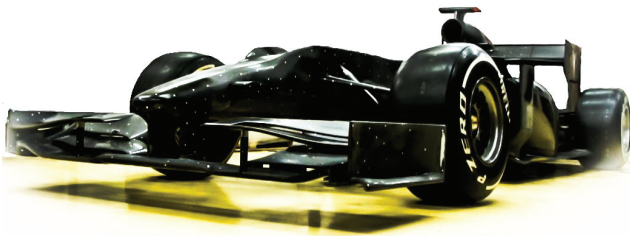
www.intelligentsia-consultants.com

**Boosting the scientific
excellence and
innovation
capacity in additive
manufacturing of the
Technical University of
Cluj-Napoca**



www.amatuc.com

www.amatuc.com



Project Description

The AMaTUC project aims to boost TUCN and twinning partners' scientific excellence and also their innovation capacity in additive manufacturing, as well as implementing a research and innovation strategy focused on three sub-topics:

- 1. Improve existing AM technologies,**
- 2. Integrate the AM technologies with suitable Rapid Tooling methods,**
- 3. Design for competitive manufacturing of personalised products and computer planning analysis and simulation**

The project will interact with Romanian and European actors in order to benefit the automotive industry and personalised products markets.

AMaTUC project is in line with the national research priorities and the Smart Specialisation Strategy of Romania.

Project Activities

Organise staff exchanges between TUCN and its twinning partners to transfer knowledge and develop future research and innovation collaborations on the three AM sub-topics.

Organise workshops in Romania and Europe open to external attendees, especially from the industry. The workshops will focus on AM topics as well as transferable skills.

Organise summer schools in Romania, UK and Germany dedicated to young researchers and industry actors.

Organise an international conference in Romania, with top level actors of the AM sector in Europe and worldwide.

Outreach activities such as the organisation of open days, visits of schools and other activities aiming at promoting AM technology to the general public

Department of Manufacturing Engineering at TUCN

The main research interests of the Department of Manufacturing Engineering (DME) are focused on additive manufacturing techniques using laser tools (selective laser sintering, selective laser melting) and modelling/simulation of the manufacturing processes and material behaviour.

DME is recognised as a leading European actor in the field of AM technologies working closely with the industry.

The AMaTUC coordinator is also co-founder of the European Association RAPIDMAN, organiser of the largest manufacturing conference in Romania and participated to numerous national and international R&D projects.

TUCN is an excellent and experienced partner in additive manufacturing, material sciences and other manufacturing techniques.

AMaTUC

European project
on Additive Manufacturing

