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BUSINESS SECTOR

CESI LINEACT (UR 7527) is organised into two interdisciplinary scientific teams:

The 'Learning and Innovation' team is mainly concerned with Cognitive Sciences, Social Sciences and Management Sciences, Training Sciences and Techniques and Innovation Sciences and Techniques. The main scientific objectives are to understand the effects of the environment, and more specifically of situations instrumented by technical objects (platforms, prototyping workshops, immersive systems, etc.) on the processes of learning, creativity and innovation.

The 'Digital Engineering and Tools' team is mainly concerned with Digital Science and Engineering. The main scientific objectives concern the modelling, simulation, optimisation and data analysis of industrial and urban systems. Research also focuses on the associated decision support tools and on human-machine interaction through the study of digital twins coupled with XR (AR/VR), AI and applied robotics.

These two teams are developing and combining their research in the application areas of Industry 5.0, the City of the Future, Training for the Future and digital services, supported by research platforms on Industry 5.0, additive manufacturing and the Building of the Future.

CERTIFICATIONS

Label DD&RS