

HUMAN FACTOR & COGNITION

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FROM ANALYSIS TO USER-CENTERED DESIGN

Research and development, proof of concept, technology surveillance, skills transfer, support and development of prototypes

New technologies for training

Links between user profiles / technology capabilities / educational content

Verbal and non-verbal communication

Communication & collaboration man - machine (face-to-face, hybrid, remote)

Innovative human-machine interactions

Design adapted to uses, tasks, technical and human limits

Physiology of human being

Detection of cognitive states and integration of multi-sensor physiological signals

Acceptability and trust in AI

Design of Artificial Intelligence models adapted to the user's characteristics

HUMAN FACTOR, USAGE, UCD, HMI,
HUMAN PHYSIOLOGY, USER TESTING, COGNITION, BEHAVIORAL
ASSESSMENTS, AR / MR / VR,
SCIENTIFIC METHODS, METHODOLOGICAL TOOLS