MeTAH team

research in

Computer Science & Learning Sciences

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understanding foundations and developing techniques for the design, development and use of Technology-Enhanced Learning systems

research work in blue, green and yellow

what are the issues when defining learning settings?

what conceptions underlie the way students learn what a protocol is?

what type of feedback best promotes learning?

how can we support learning scenarios design, and tutoring?

what are the cognitive issues when collaborating on-line?

how can we support learners' activity?

how do learners use the system, and why?

how can we diagnose and understand learners' actions?

Web Intelligence models to manage learning resources?

interfaces adaptable to learners' effective activity?

data mining algorithms for diagnostic?

model (learning scenarios) transformations?

Artificial Intelligence (KBS, WI, ontologies), HCI, MDE, etc.

examples of topics/systems

- ✓ specific editor + intelligent support to build an experimental protocol
- ✓ tablet-based simulation + automatic feedback to teach mathematics
- ✓ logs analysis to help teachers monitor learners' activities
- ✓ environment to support collaborative problem-solving
- ✓ …

understanding how to design human-centred systems