

Workshop on Feedback from Multimodal Interactions in Learning Management Systems (FFMI)

Virtually all learning management systems and tutoring systems provide feedback to learners based on their time spent within the system, the number, intensity and type of tasks worked on and past performance with these tasks and corresponding skills. Some systems even use this information to steer the learning process by interventions such as recommending specific next tasks to work on, providing hints etc. Often the analysis of learner / system interactions is limited to these high-level interactions, and does not make good use of all the information available in much richer interaction types such as speech and video. In the workshop Feedback from Multimodal Interactions in Learning Management Systems (FFMI@EDM'2014) we wanted to bring together researchers and practitioners who are interested in developing data-driven feedback and intervention mechanisms based on rich, multimodal interactions of learners within learning management systems, and among learners providing mutual advice and help. We aim at discussing all stages of the process, starting from preprocessing raw sensor data, automatic recognition of affective states to learning to identify salient features in these interactions that provide useful cues to steer feedback and intervention strategies and leading to adaptive and personalized learning management systems. The contributions presented in this workshop range from work about affect recognition in intelligent tutoring systems to research questions from online learning and collaborative learning.

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