Due to its potential to make learning easier, more convenient, and more effective, education is one of the preeminent areas of application for multimedia. Video capturing of lectures has become common practice to produce e-learning content. With the present amounts of educational data produced, there is a high demand in techniques and methods capable of handling multimedia contents adequately. Educational content has to be presented, deployed, stored, navigated, searched, retrieved, edited, combined, and reused in a proper way. Furthermore, quality control and learning processes with feedback loops are considered to be important concepts for more effective and sustainable e-learning solutions. Multimedia technologies facilitate the evaluation, improvement, and assurance of quality in loopback controlled e-learning processes.

Most of these topics involve techniques from artificial intelligence, computer vision, multimedia, but also human computer interaction, and psychology. This workshop continues the tradition of the former MTEL workshops by bringing together researchers and practitioners who are interested in the intersection area between the technological and the human-centered point of view.

Much like in the previous MTEL workshops, the papers presented in MTEL 2009 tackle the whole spectrum of multimedia technologies for E-learning. Topics include online tools for assessment and self assessment, knowledge extraction from paper documents, adaptive multimedia for E-learning, extracting learning focused data from digital lecture recordings, the Opencast community effort for creation, management and distribution of educational multimedia, emotionally intelligent diagnostic assessment for personalized E-training, and multimodal biometrics-based attendance measurements in learning management systems. This year’s MTEL authors come from three different continents, and six different countries – Australia, Germany, Japan, Spain, Switzerland, and Taiwan.

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