

1106-VE-2038 **Paulette N Willis*** (paulette.willis@reasoningmind.org) and **James Cooper**. *Can the measurement of student engagement be automated?*

A good teacher will notice when a student is bored or off task, but as the class size grows so does the difficulty of noticing these things. Structured classroom observation and the use of data-mining algorithms allow one to surmount this issue faced by teachers with large classes. In collaboration with Ryan Baker, Reasoning Mind is developing automated methods in its blended learning system that can detect student affect and provide teachers with a complete picture of their classroom's engagement. We discuss the protocol used by Reasoning Mind and the results achieved. (Received September 15, 2014)