Air-Pulsed Carts and Modeling Aid: **Instruments for Student Model-Based Reasoning**[1] MARK LATTERY, University of Wisconsin Oshkosh — This poster describes two emerging and specialized tools for student model-based reasoning in introductory physics: programmable air-pulsed rolling carts and Modeling Aid. This project extends recent research on student models and modeling in elementary mechanics (Lattery 2016) and explores new ways to teach the nature and content of scientific model building in a university-level physical science course. Lattery (2016). Deep Learning in Introductory Physics: Exploratory Studies of Model-Based Reasoning. NC: Information Age Publishing.

Mark Lattery
University of Wisconsin Oshkosh

Date submitted: 14 Jan 2017

Electronic form version 1.4