Annual Cognitive Modeling Competition

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Opportunity
Although the cognitive and behavioral modeling communities now have a rather lengthy history and there is ongoing research and development in these areas across dozens of academic, industrial, and government research laboratories, very little of the work has been explicitly competitive in orientation. That said, there are precedents for modeling competitions in this area. Two examples include the PokerBot Competition (Lebiere & Bothell, 2004) and the Dynamic Stocks and Flows Model Comparison Challenge (Lebiere, Gonzalez, & Warwick, 2010). Both of these were successful and interesting events. However, they were also both single shot modeling competitions that did not evolve into annual events in the spirit of the Robocup (2012) robotic soccer competitions.

I propose it is time to establish a recurring annual cognitive modeling competition. This poster is an opportunity for community discussion of the pros, cons, infrastructure requirements, and design parameters that should be considered in developing such an event within the cognitive and behavioral sciences.

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References