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THE INTERFACE BETWEEN SIMULATION OUTPUT ANALYSIS RESEARCH AND PRACTICE

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1 MOTIVATION

Academic researchers are urged by their sponsors to demonstrate the relevance of their work. Software suppliers are pressured by market competition to keep their products current with the state of the art. The goal of this panel is to find new ways to strengthen the connection between research and practice.

2 PARTICIPANTS

The panel participants come from academia and industry. Peter Glynn is a Professor at Stanford; Jim Henriksen is President of Wolverine Software; Dennis Pegden is President of Systems Modeling; and Bruce Schmeiser is a Professor at Purdue. Prof. Lee Schruben, from Cornell, is the discussion moderator.

3 AGENDA

The charge of the panel is to consider a number of questions pertinent to the discussion at hand, e.g.,

3.1. What, if any, do you consider to be the top simulation output analysis research "success story" in terms of its impact on simulation practice?

3.2. (Academics in particular) What recent research results would have a significant impact on simulation practice if implemented? How should such breakthroughs be made accessible to practitioners?

3.3. (Vendors in particular) What unanswered questions on simulation analysis do you consider the most important in terms of their potential impact on practice? Do you know of anyone working on them? Would you integrate the results of research on these questions into your simulation software? Would you fund open research on these topics?

3.4. What do you consider to be the significant incentives and barriers to the implementation of output analysis research results?

3.5. What role should simulation output analysis methodology play in undergraduate- and graduate-level simulation courses?

3.6. What role should language-specific modeling techniques play in college-level simulation courses?

3.7. What are the future directions of output analysis research? What can be done to make that future look brighter?

In addition to addressing the above questions, panelists will comment on other related issues, past accomplishments, and future directions. The audience is encouraged to participate in the discussion.