

From Notions to Models and Back Again, Again

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Abstract. A typical thread in research relies on the maturing of ideas through an iterative process of construction, testing and refinement. In this talk I will trace some such trajectories of ideas by illustration from some of my own and others' experiences in agent-based modelling. I draw inspiration from previous commentaries, including from those who generated the mottos: "No Notation without Denotation" [1]; "No Notation without Exploitation" [2]; and "No experimentation without explanation" [3].

References

1. McDermott, D.: Tarskian Semantics, or No Notation without Denotation! *Cognitive Science* 2, 277–282 (1978)
2. Shoham, Y.: Agent Oriented Programming. *Artificial Intelligence* 60, 51–92 (1993)
3. Dignum, F., Sonenberg, L.: A dialogical argument for the usefulness of logic in MAS. Discussion contribution in *Journal of Artificial Societies and Social Simulation* 7(4) (2004), <http://jasss.soc.surrey.ac.uk/7/4/8/logic-in-abss/Dignum&Sonenberg-reply.html>