## *Presents*

## Robert Sloan, Univ. Illinois Chicago

## How Intelligent Are AI Programs?

Verbal tasks that have traditionally been difficult for computer systems but are easy for young children are among AI's grand challenges. Commonsense AI in particular has long sought to provide computer systems with the capabilities possessed by ordinary children but currently lacking in computer systems.

In this talk we give some quantitative results about progress to date. In particular we present the results of testing the ConceptNet 4 system on the verbal part of the standard WPPSI-III IQ test, using simple test-answering algorithms. It is found that the system has the Verbal IQ of an average four-year-old child. If time permits, I will also briefly describe some preliminary results from examining ConcptNet 4 through the lens of large network analysis. Joint work with Stellan Ohlsson, György Turán, and Aaron Urasky.

Brief Bio:  Robert H. Sloan is Professor and Department Head for the University of Illinois at Chicago (UIC) Computer Science Department. He did his PhD work in computational learning theory under Ron Rivest at MIT, and a post doc at Harvard under Les Valiant before joining UIC. For two years in the early 2000s he served as an NSF program director. He has two current research areas. One is knowledge representation, primarily from the point of view of theoretical computer science. The other is public policy and law for computer security and privacy.  His book with Richard Warner, *Unauthorized Access: The Crisis in Online Privacy and Security,* was released in 2013.

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## University at Buffalo – North Campus – Davis 113A

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