Building AIs with Common Sense

The encoding of commonsense knowledge and the automation of commonsense reasoning is one of the greatest challenges in artificial intelligence. This talk will discuss why commonsense knowledge is critical in central AI tasks like language understanding, vision, and robotic action. The talk will survey the approaches that have been taken to building AIs with common sense, what has been accomplished, and what remains very difficult.

Ernest Davis is Professor of Computer Science at the Courant Institute of Mathematical Sciences, New York University. His research focuses on the automation of commonsense reasoning, particularly spatial and physical reasoning. In collaboration with Gary Marcus, of NYU Psychology Department, he has written numerous popular articles on artificial intelligence, which have appeared in The New York Times, the online New Yorker, and elsewhere. He is the author of four books, including *Representations of Commonsense Knowledge* and *Verses for the Information Age*. His new book, *Rebooting AI: Building Artificial Intelligence We Can Trust*, with Gary Marcus will appear this fall.

The May dinner meeting will be the final Princeton ACM/IEEE-CS meeting of the 2018-2019 season. Monthly meetings will resume again in October 2019.

> Date: Thursday, May 16, 2019, 6:00pm dinner
>   (talk begins at 7:30)
> Place: Grafton House, 110 Edgebrook Rd., Hamilton NJ
>   See directions below
> Information: Dennis Mancl (908) 285-1066
> On-line info: **http://PrincetonACM.acm.org**

ADVANCE RESERVATIONS REQUIRED – please follow instructions below

To make reservations for the dinner meeting, contact Dennis Mancl (phone (908) 582-7086, email **dmancl@acm.org**).

Please make your reservation by May 11. The dinner cost is $30. Bring $30 (cash or check) to the meeting.

Directions to Grafton House:
- Take I-195 to Exit 5A (US-130 South)
- Take the first jughandle (green sign says "Crosswicks-Hamilton Sq Rd / Klockner Rd")
- Turn left on Klockner Rd. (green sign says "Crosswicks-Hamilton Sq Rd")
- Turn left on Marketplace Blvd. (green sign says "To Edgebrook Road North")
- Take the first right (green sign says "To Edgebrook Road North")
- Turn left at the stop sign (onto Edgebrook Rd.)
- Grafton House is 0.5 miles on the left