

2010-2011
DISTINGUISHED LECTURE SERIES

University of Wisconsin-Madison
Computer Sciences Department



Eric Horvitz
Distinguished Scientist
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Eric Horvitz is a Distinguished Scientist at Microsoft Research. His interests span theoretical and practical challenges with developing systems that perceive, learn, and reason. He has served as President of the Association for the Advancement of Artificial Intelligence (AAAI) and is now the Immediate Past President of the organization. He has been elected a Fellow of the American Association for the Advancement of Science (AAAS) and of the AAAI and serves on the NSF Computer and Information Science and Engineering (CISE) Advisory Board and the Council of the Computing Community Consortium. He received his PhD and MD degrees at Stanford University. More information can be found at <http://research.microsoft.com/~horvitz>.

Machine Intelligence and the Open World

Systems that sense, learn, and reason from streams of data promise to provide extraordinary value to people and society. Harnessing computational principles to build systems that operate in the open world can also teach us about the sufficiency of existing models, and frame new directions for research. I will discuss efforts on learning and inference in the open world, highlighting key ideas in the context of projects in transportation, energy, and healthcare. Finally, I will discuss opportunities for building systems with new kinds of open-world competencies by weaving together components that leverage advances from several research subdisciplines.

Thursday, March 31, 2011
Talk at 4:00 PM – Room 1240
Cookies at 3:30
1210 W. Dayton St. (Computer Science)