

**AI and its Impacts**

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**Abstract:**

I will give an overview of Artificial Intelligence (AI), some of its accomplishments and its methodology. AI has distinct methodologies - heuristic search, learning, applied logic. AI has led to time-sharing, robotics, expert systems, computer game-playing, computerized psychiatry and voice recognition. I will also introduce the students to some heuristic search ideas that are my own research.

**About the Speaker:**

Ira Pohl is Professor and Chair of Computer Science at the University of California, Santa Cruz. His current research is in object-oriented programming and heuristic search. He has written widely on programming in C and C++. His research interests include artificial intelligence, the C#, C, C++ and Java programming languages, practical complexity problems, heuristic search methods, deductive algorithms, and educational and social issues. He originated error analysis in heuristic search methods and deductive algorithms.

Ira Pohl was formerly a Mackay professor at the University of California at Berkeley, a ZWO fellow at the Vrije University in the Netherlands, and a national fellow at the University of Auckland, New Zealand. Professor Pohl received his A.B. in Mathematics from Cornell and his Ph.D. in Computer Science from Stanford University, Fellow of the ACM.

**Next week:**

Professor Brad Smith, Computer Engineering, on “Managing Risk in Technology Organizations.”