

CSCE 580 Fall 2009
QUIZ 1
Assigned Monday, 09-08-24

This quiz is about the Charlie Rose panel video (originally broadcast on December 21, 2004 as the second half of a one-hour show, <http://www.charlierose.com/view/interview/1128>) shown in class.

1. What are the job titles of the three participants in the panel?
 - (a) Rodney Brooks **Answer:** Panasonic (formerly Fujitsu) Professor of Computer Science at MIT (also chief technical officer at iRobot corporation; From 1997 - 2003 and from 2003 - 2007, respectively, he was Director of the MIT Artificial Intelligence Lab and Director of the Computer Science and Artificial Intelligence Laboratory (CSAIL))
 - (b) Eric Horwitz **Answer:** Principal Researcher, Research Area Manager, Group Manager, Adaptive Systems, and Interactions group at Microsoft
 - (c) Ronald Brachman **Answer:** Director of DARPA Information Processing Technology Office and President of AAAI (then, American Association for Artificial Intelligence; now, Association for the Advancement of Artificial Intelligence); he is now vice president of Worldwide Research Operations at Yahoo.
2. What of the four types of definition of AI do each of the three participants in the panel espouse? (You should be able to tell about Rodney Brooks for sure, but try the other ones also.)
 - (a) Rodney Brooks **Answer:** acting humanly (minute 1:06; 27:17 of the full show)
 - (b) Eric Horwitz **Answer:** acting rationally
 - (c) Ronald Brachman **Answer:** thinking humanly (“cognitive” programs)
3. Around minute 6 (33 fo the full show), Eric Horwitz mentions a “key insight” from 20 years ago. What is it? **Answer:** (representation and use of) uncertainty
4. Fill in the blank in this quote by Cynthia Breazeal: “Kismet is an _____ robotic head that is specialized for face-to-face interaction between humans and [robots].” **Answer:** anthropomorphic
5. Fill in the blank: the Phraselator, an application of AI presented by Ronald Brachman around minute 19 (46 of the full show), helps soldiers communicate in _____ languages, such as _____. **Answer:** foreign, Arabic
6. Fill in the blank: JamBayes, an application of AI presented by Eric Horwitz around minute 21 (48 of the full show), reasons about _____ in the Seattle area. **Answer:** traffic