

Mobot and USaR Questions

These two are informal papers that give you a taste of two fields of endeavour where robots have played or will play a real role in interacting with humans of various roles. Significantly more technical papers exist, authored by the same authors as journal papers in the case of Mobot (look for “An Affective Mobile Educator...”) and authored by Mary Berna and Michael Lewis separately in the caes of USaR. Feel free to look those papers up for more technical content.

Mobot question:

I want you to propose how museum robots *ought* to be evaluated, and I want you to do so wearing two different hats (not simultaneously; one after the other). First, based on your readings and Sara Kiesler’s discussion, imagine the psychological model + HCI approach to evaluating a museum robot. How would the evaluation go about—what setup, what tools? Second, based on the Sheridan readings and Michael Lewis’ discussion, imagine a human factors-based approach to evaluating a museum robot. How would the evaluation go about—what setup, what tools used?

USaR question:

Using the “Cross of Pain” as presented by Dick Buchanan in class, write a short paragraph on each view of USaR robotics as set up by this paper. That is four short analyses in total. If you failed to write down what the four endpoints of the cross are, ask a classmate! Then, as a finale, explain which of the four analysis tools is most useful in your opinion, in the case of USaR, and why.