

# CMSI 698 HUMAN-AGENT-ROBOT-TEAMS

Fall 2013

## Assignment 1 Overview of HART

Assignment	Problems	Date Due
1	<ul style="list-style-type: none"><li>• Read: Bradshaw, J.M.; Dignum, V.; Jonker, C.M.; Sierhuis, M., "Human-agent-robot teamwork," <i>Human-Robot Interaction (HRI), 2012 7th ACM/IEEE International Conference on</i>, vol., no., pp.487, 487, 5-8 March 2012 URL: <a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;ar_number=6249609&amp;isnumber=6249474">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;ar_number=6249609&amp;isnumber=6249474</a></li><li>• Compose and upload to the course Blackboard a write-up on the article (see below)</li><li>• Prepare to discuss the article and your reflection in class</li><li>• Prepare for a brief quiz on the article at the start of class</li></ul>	2 SEP 2013

The write-up has two parts: an analysis/annotation and a reflection. The analysis includes:

- A brief summary of the source
- A *short* list of topics that are touched upon by the source
- The specific contribution that the course claims to make to the field
- A list of related questions, tasks, issues, or problems that are not covered by the work reported in the paper
- How the source is related to other sources used in class or encountered in your work
- One or two sentences about some other reference in the source you are analyzing
- One or two sources that cite the source you are currently analyzing.

*Always* include the full citation of the article being analyzed.

Write for a formal, professional audience.

Be prepared to discuss your analysis. Each analysis completed for this class will become part of the annotated bibliography section of your final project report. You will want your final report to incorporate the comments and/or revisions that you receive on the individual assignments.

Address following questions in your reflection on this article:

- How is HART relevant to the work you are currently doing or work you will be involved with in the future?
- How do human-agent-robot teams differ from the teams you have worked on in the past? How are they similar?
- What knowledge is required for you to effectively develop and work with Human-Agent-Robot teams?

In looking for related resources, note the following keywords associated with the Bradshaw article:

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human-robot interaction	reliability
mobile robots	responsibility management
multi-agent systems	safety
multi-robot systems	software agent
reliability	team member
safety	Conferences
software agents	Humans
team working	Psychology
autonomous agent group interaction	Robots
commitment management	Teamwork
human robot interaction	Tutorials
human-agent-robot teamwork model	USA Councils
multiagent cooperation	HART
multirobot cooperation	Human-Agent-Robot Teamwork
performance enhancement	

Note that these keywords were taken from the citation for the article. In the future, you will need to find these on your own.

Your work will be graded on quality of both content and presentation.