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## Title of research study: Human-Robot Interaction (HRI): Trust in Diagnostic Aiding Automation

***Informed Consent***

## Principal Investigator(s): Joseph Kider, Ph.D.

## Co-Investigators or Sub-Investigator(s): Blake Nguyen

## Na’Kiya Russell

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## Investigational Site(s): Institute for Simulation and Training Partnership II 3100 Technology Parkway Orlando, FL 32826

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University of Central Florida Psychology Building

4111 Pictor Lane Psychology Building Orlando, FL 32816

## Why am I being invited to take part in a research study?

We invite you to take part in a research study because we are interested in investigating how people perceive and prefer to interact with autonomous robots. As technology advances, robots are being developed which are able to act in the capacity of a team member, as opposed to simply a tool. Research in this area will help the scientific community develop robots that are compatible with human expectations, making them safer and more reliable.

You must be 18 years of age or older to participate in this study.

## What should I know about a research study?

1. Someone will explain this research study to you.
2. Whether or not you take part is up to you.
3. You can choose not to take part.
4. You can agree to take part and later change your mind.
5. Your decision will not be held against you.
6. You can ask all the questions you want before you decide.

## Who can I talk to?

If you have questions, concerns, or complaints, or think the research has hurt you, talk to the research team: Blake Nguyen, Graduate Student, Modeling and Simulation Program, (408)-421-8487, blakeanguyen@knights.ucf.edu, or Na’Kiya Russell, Graduate Student, Modeling and Simulation Program, (850)-960-0305, okruss@knights.ucf.edu, or Dr. Joseph Kider, Faculty Supervisor, by email at jkider@ist.ucf.edu.

This research has been reviewed and approved by an Institutional Review Board (“IRB”). You may talk to them at 407-823-2901or [irb@ucf.edu](mailto:irb@ucf.edu) if:

1. Your questions, concerns, or complaints are not being answered by the research team.
2. You cannot reach the research team.
3. You want to talk to someone besides the research team.
4. You have questions about your rights as a research subject.
5. You want to get information or provide input about this research.

## Why is this research being done?

The purpose of this study is to investigate how people perceive and prefer to interact with autonomous robots. As technology advances, robots are being developed which are able to act in the capacity of a team member, as opposed to simply a tool. Research in this area will help the scientific community develop robots that are compatible with human expectations, making them safer and more reliable.

## How long will the research last?

We expect that you will be in this research study for approximately 30 minutes.

## How many people will be studied?

We expect about 90 people here at UCF will be in this research study out of 180 people in the entire study nationally.

## What happens if I say yes, I want to be in this research?

Upon arrival at either location the Institute for Simulation and Training room 111 or the University of Central Florida Psychology building room 303G, you will be presented with information and asked to complete a questionnaire.

* + - Below is the anticipated time to complete each step of this study:

1. Explanation of research/informed consent 5 mins
2. Review robot information 10 mins
3. Questionnaire 10 mins
4. Demographic questionnaire and debriefing 5 mins

## What are my responsibilities if I take part in this research?

If you take part in this research, you will be responsible to complete all measures to the extent of your personal interest and comfort.

## What happens if I do not want to be in this research?

Participation in research is completely voluntary. You can decide to participate or not to participate. Your participation in this study is voluntary. You are free to withdraw your consent and discontinue participation in this study at any time without prejudice or penalty. Your decision to participate or not participate in this study will in no way affect your continued enrollment, grades, employment or your relationship with the individuals who may have an interest in this study.

## What happens if I say yes, but I change my mind later?

You can leave the research at any time it will not be held against you. You will receive SONA credit for the time that you choose to spend engaging in this research study. If you decide to withdraw from the study, as a University of Central Florida (UCF) participant, you will receive credit in accordance to the time spent in the study prior to withdrawal. For example, if you decide to withdrawal from the study after 1 our has passed, you will receive 1 SONA credit. If you decide to leave the study, contact the investigator so that the investigator can stop administering the survey instruments. The researcher will then thank you for your time, explain how you will be credited or your time, and instruct you to the exit. The person in charge of the research study or the sponsor can remove you from the research without your approval. Possible reasons for removal from the study include failure to follow instructions of the research staff, disorderly conduct, improper treatment of the research staff or other participants, or if the research staff feels that the study is no longer in your best interest. We will tell you about any new information that may affect your health, welfare, or choice to participate in the research.

## Will being in this study help me in any way?

We cannot promise any benefits to you or others from your taking part in this research.

## What happens to the information collected for the research?

Efforts will be made to limit the use and disclosure of your personal information, including research study and medical records, to people who have a need to review this information. We cannot promise complete secrecy. Organizations that may inspect and copy your information include the IRB and other representatives of this organization.

## Can I be removed from the research without my OK?

The person in charge of the research study or the sponsor can remove you from the research study without your approval. Possible reasons for removal include:

* Malingering or “Christmas Treeing” (After being asked to stop this behavior by the researcher in charge), or if the researcher in charge determines that continuing participation is not in the best interest of the participant (e.g. in the event of tornado warning in the building, participant is falling asleep, etc.).

## What else do I need to know?

N/A

**Signature Block for Capable Adult**

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| Your signature documents your permission to take part in this research. | | |
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