

## ***Title of research study: A Simulated Geologic Field Decision Making Scenario***

***Investigator and Department:*** Dr. Thomas F. Shipley, Psychology Department

**This research is supported by the National Science Foundation and conducted in collaboration with members of the University of Pennsylvania General Robotics, Automation, Sensing and Perception (GRASP) laboratory.**

We are conducting this research study to better understand how people make decisions about where to sample information in given area, and how new information is incorporated during sampling. We invite you to take part in this study because of your experience in geoscience or psychology. You will complete a simulated geologic decision making scenario. In the scenario you will be provided with initial hypotheses and asked to sample data until you are confident enough to accept or reject the hypotheses. Data sampling in the scenario will be executed by a legged robot field assistant, RHex, that was developed at the University of Pennsylvania GRASP laboratory. At the conclusion of the decision making scenario you will be asked to complete a brief follow-up survey. If you say yes to participating in this study you can withdraw your permission at any time. Upon your request, your data will no longer be used. This will not affect your relationship with Thomas F. Shipley, Ph.D., or Temple University in any way. You may decide not to take part in the research and it will not be held against you.

### ***Who can I talk to?***

If you have questions, concerns, or complaints, or think the research has hurt you, contact the research team at [tshipley@temple.edu](mailto:tshipley@temple.edu) or 729 Weiss Hall, 1701 North 13<sup>th</sup> Street, Philadelphia PA 19122. You can contact the research team by telephone at (215) 204-7890.

This research has been reviewed and approved by an Institutional Review Board. You may talk to them at (215) 707-3390 or e-mail them at: [irb@temple.edu](mailto:irb@temple.edu) for any of the following:

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

### ***How long will the research last?***

We expect that you will be in this research study for between 30 minutes to 1 hour.

### ***What happens to the information we collect?***

Per American Psychological Association requirements, the data will be stored for five (5) years after publication of the study.

No personally identifying information (i.e., name, contact information) will be collected. If you wish, you may provide your email to be added to a listserv, the purpose of which is to communicate updates from our research group and recruit participation for future research projects.

Efforts will be made to limit your research study records to people who have a need to review this information. Organizations that may inspect and copy your information include the IRB, Temple University, the University of Pennsylvania, and/or governmental agencies to assure proper conduct of the study and compliance with regulations. The results of this study may be published, but you will not be identified in any resulting publication.

***Can I be removed from the research without my permission?***

The person in charge of the research study can remove you from the research study without your approval. A possible reason for removal includes failure to follow instructions of the research staff.