# **Welcome**

Thank you for taking the time to participate in our study **“Determining factors that influence the judgement of credibility of published findings – pilot survey”.** Before the study begins, it is important that you learn about the procedure followed in this study and that you give your informed consent for voluntary participation. Please read the following carefully.

## **Aim and benefit of the study**

The aim of this study is to gain an understanding of the factors that researchers rely on when they evaluate the credibility, or “corroboration” of published findings. This information will be used to guide the design of a study in which we will code information from published research and attempt to develop a quantitative procedure for estimating the credibility of published research findings.

This study is performed by Peder M. Isager, a PhD student of the Human-Technology Interaction group at Eindhoven University of Technology, and Anna van ‘t Veer, an assistant professor at Leiden University.

## **Procedure**

Our overall aim is to develop a general procedure for identifying empirical findings that would be particularly valuable to replicate. As part of this procedure, we need to know what information researchers use when they evaluate the *credibility* of a finding. In this study we will ask you a few questions about what pieces of information you take into account when you judge the credibility of a published finding that is based on fMRI data. We will also ask you to provide us some feedback on the questions we ask, so that we can ensure that the survey is formulated in a way that makes sense to fMRI researchers who will take this survey in the future.

## **Risks**

The study does not involve any risks, detrimental side effects, or cause discomfort.

## **Duration**

The instructions, measurements and debriefing will take approximately 15 minutes.

## **Participants**

You were selected to participate in this study because you have experience with reading and/or conducting fMRI research, and you have either completed a PhD or are currently a PhD student. If you do not believe this description is accurate for you, please exit the survey now. We thank you for agreeing to participate.

## **Voluntary**

Your participation is completely voluntary. You can refuse to participate without giving any reasons and you can stop your participation at any time during the study. You can also withdraw your permission to use your data immediately after completing the study. None of this will have any negative consequences for you whatsoever.

## **Compensation**

There is no monetary compensation for participating in this survey.

## **Confidentiality and use, storage, and sharing of data.**

All research conducted at the Human-Technology Interaction Group adheres to the Code of Ethics of the NIP (Nederlands Instituut voor Psychologen – Dutch Institute for Psychologists), and this study has been approved by the Ethical Review Board of the department.

In this study survey responses will be recorded, analyzed, and stored. No personal information will be recorded or stored. Please **do not share personal information in the open response options.** If personal information is shared in the open response boxes, the data will be deleted upon discovery. The goal of collecting, analyzing, and storing this data is to answer the research question and publish the results in the scientific literature. To protect your privacy, no data that (to the best of our knowledge and ability) can be used to personally identify you will be stored.

The data collected in this study might also be of relevance for future research projects within the Human Technology Interaction group as well as for other researchers. The aim of those studies might be unrelated to the goals of this study. The collected data will therefore also be made available to the general public in an online data repository. The data that is collected in this study and that will be released to the public will (to the best of our knowledge and ability) not contain information that can identify you. It will include all answers you provide during the study. The data shared online will not contain demographic variables.

At the bottom of this consent form, you can indicate whether or not you agree with the use of your data for future research within the Human Technology Interaction group and the distribution of your data by means of a secured online data repository with open access for the general public. You are not obliged to letting us use and share your data. However, you must give your consent to share your data in this way in order to participate in this study. If you do not give your consent, you cannot participate in this study.

## **Further information**

If you want more information about this study, the study design, or the results, you can contact Peder M. Isager ([p.isager@tue.nl](mailto:p.isager@tue.nl)).

If you have any complaints about this study, please contact the supervisor, you can contact Peder M. Isager ([p.isager@tue.nl](mailto:p.isager@tue.nl)) and/or Daniël Lakens ([d.lakens@tue.nl](mailto:d.lakens@tue.nl)). You can report irregularities related to scientific integrity to confidential advisors of the TU/e.

# **Informed consent form**

* I have read and understood the information of the corresponding information form for participants.
* I have been given the opportunity to ask questions. My questions are sufficiently answered, and I had sufficient time to decide whether I participate.
* I know that my participation is completely voluntary. I know that I can refuse to participate and that I can stop my participation at any time during the study, without giving any reasons. I know that I can withdraw permission to use my data up to 24 hours after the data have been recorded.
* I agree to voluntarily participate in this study carried out by the research group Human Technology Interaction of the Eindhoven University of Technology.
* I know that no information that can be used to personally identify me or my responses in this study will be shared with anyone outside of the research team.
* I **□ do**

**□ do not**   
 give permission to make my anonymized recorded data available to others in a public online data repository, and allow others to use this data for future research projects unrelated to this study.

**Certificate of consent**

*For ethics review board: The informed consent will be included as the first page of the online questionnaire. Names and signatures will not be collected. Only participants who consent to participating will be allowed to proceed with the questionnaire.*