



INFORMED CONSENT TO PARTICIPATE IN A RESEARCH PROJECT

TITLE OF PROJECT: Investigating Teacher Perspectives on Security & Privacy Education

NAME OF PRINCIPAL INVESTIGATOR(S): Kelsey Fulton

CONTACT NAME AND PHONE NUMBER FOR QUESTIONS/PROBLEMS:

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PURPOSE OF THE RESEARCH:

The purpose of this research is to understand how security and privacy should be taught at the K-12 level, and how the current teaching landscape can be improved. In order to do this, we plan to collect data on how teachers currently teach security and privacy, which topics are appropriate and relevant at what grade levels, and where, if anywhere, are the gaps in the current curriculum.

We will record and transcribe your interview. This data will be anonymized and made available to other researchers by request. This data will help us to better understand how security and privacy should be taught to K-12 students.

EXPLANATION OF PROCEDURES/METHODS TO BE USED:

You will be asked to complete a 5 minute screening survey. You will then be asked to complete a 60 minute interview in a single sitting. In both cases, you will be asked to consider different security topics and their role in a curriculum.

Sample question:
What security and privacy topics does your course cover?

RISKS/ DISCOMFORTS INHERENT IN THE PROCEDURES:

There is minimal risk to participating in this study. You may skip any survey question or decline to answer any interview question, and you may withdraw from the study at any time. Breach of confidentiality is a risk and efforts to mitigate this risk are described in the Confidentiality section below.

POTENTIAL BENEFITS:

There are no direct benefits from participating in this research. We hope that this project will lead to better and more effective security and privacy curriculum for students, in addition to realistic guidance for teachers on how to teach security and privacy.

CONFIDENTIALITY:

Any potential loss of confidentiality will be minimized by storing data in a locked office and/or a protected Mines' network drive. Data will only be stored for 3 years or until the publication of a paper. Only authorized researchers will be allowed access to this data. Audio and video recordings will be collected for the purpose of recording and transcribing interview data. If we write a report or article about this research project, your identity will be protected to the maximum extent possible.

Information obtained about you for this study will be treated as confidential to the extent allowed by law. Research information that identifies you may be shared with the Colorado School of Mines Human Subjects Team and others who are responsible for ensuring compliance with laws and regulations related to research.

YOUR DATA RIGHTS

You have rights around the protection and movement of your data. This consent form provides transparency to the data collected about you and how it will be used. Your rights include (but not limited to):

- Right to correct inaccurate personal data;
- Right to erase data that is no longer necessary for the research purposes or that you withdraw your consent to use. Note: if de-identified data is used, once identifiers are removed from the data and the data is added to the data set to be analyzed, it will be impossible to extract your individual data if you want to withdraw your data from the research.
- Right to know whether your personal data has been processed, what's been processed, and the purpose for such.
- Right to restrict processing of the data where it's inaccurate, unlawfully processed, or is no longer needed.
- Right to object to processing personal data for the purposes of public interest or legitimate interest pursued by the research and/or Mines.

VOLUNTARY PARTICIPATION AND WITHDRAWAL:

Your participation in this research is voluntary. If you decide to participate in the study, you may withdraw your consent and stop participating at any time without penalty or loss of benefits to which you are otherwise entitled. To withdraw, inform the principal investigator of your intention to withdraw. If you are unable to provide detailed answers to our background questions (i.e., which classes do you teach, where did you learn about computer science, briefly describe the school you work at), we will end the interview after no more than 10 minutes and you will not be compensated.

If you are a Mines student or employee, taking part in this study is not part of your class work or duties. You can refuse to participate, or withdraw at any time, with no effect on your class standing, grades, or employment at Mines.

QUESTIONS

If you have questions, concerns, or complaints, or think the research has injured you in any way, please contact the Principal Investigator at the phone number provided above.

If you have questions about your rights as a research participant, please contact the Colorado School of Mines Human Subjects Research committee at humansubjects@mines.edu.

Your check acknowledges that you have read the information stated and willingly signed this consent form. Your check also acknowledges that you have received, on the date signed, a copy of this document containing 2 pages.

Participant name (printed)

Participant signature

Date