

## Privacy Notice – Scientific Research

This privacy notice describes how we process your personal data in compliance with data protection legislation. In data protection legislation, the term “data subject” refers to the person whose personal data are processed. In this privacy notice, we refer to data subject as “you” and controller as “we”.

This privacy notice may be updated or edited if necessary. You will be notified of any significant changes as mandated by data protection legislation.

This privacy notice came into force on 14.1.2026

### 1. Controller

The controller of the research project is:

multiple organisations: The research project will be conducted as a collaborative project among controllers, with multiple partners jointly determining the purpose and means of processing personal data.

TAU:

Tampere University Foundation sr  
33014 Tampere University  
Kalevantie 4, 33100 Tampere  
Business ID: 2844561-8  
Data Protection Officer of Tampere University [dpo@tuni.fi](mailto:dpo@tuni.fi)

BUT:

Brno University of Technology  
Antonínská 548/1, 601 90 Brno, Czechia  
Business ID: 00216305  
Data Protection Officer of Brno University of Technology [poverenec@vut.cz](mailto:poverenec@vut.cz)

The principal investigators and contact persons for questions about data processing are:

TAU:

Name: Tiina Schafeitel-Tähtinen  
Contact detail: [tiina.schafeitel-tahtinen@tuni.fi](mailto:tiina.schafeitel-tahtinen@tuni.fi)

BUT:

Name: Willi Lazarov

Contact detail: [lazarov@vut.cz](mailto:lazarov@vut.cz)

To call Tampere University's switchboard, dial +358 (0) 294 52 11.

If you have general questions about data protection at Tampere University, please email our Data Protection Officer at [dpo@tuni.fi](mailto:dpo@tuni.fi).

## 2. Scope and purpose of data processing

Name of the research project: CTF feature research

This is a one-time research project that will last until 05/2026.

We will process your personal data as part of a research project. The purpose of processing your personal data is to conduct the research project specified above.

The research project explores education and engagement efficiency of different CTF features. All participants will do the same CTF tasks, however, the manner of how the tasks are presented in the CTF may vary for different students. During this research project, personal data will be processed by principal investigators from TAU and BUT.

Participation in this research is voluntary. As background information, we will collect your age, gender, information about your previous and current studies, how much free time you spend on gaming, and preferences for CTF exercises. No sensitive data will be collected as part of the survey. You can stop answering at any time, and you can also request the deletion of data you have already provided.

Your survey responses and CTF data from BUTCA platform will be connected with the code you pick from BUTCA platform. During BUTCA data collection, your name is available to the researcher. For the purposes of the study, your name will not be collected or used as part of the study, and your combined survey and BUTCA data will be pseudonymized.

The principal investigator (lead researcher) is responsible for overseeing the research project. The research group may also be assigned to serve as the principal investigator, with its members participating in conducting the research project.

The research findings, reported in aggregate form so that individual research participants cannot be identified, are intended to be published in relevant scientific journals.

### 3. Lawful basis for processing personal data

The lawful basis for processing your personal data is:

- consent (of the data subject)
- controller's legal obligation
- protection of vital interests
- a task carried out in the public interest or the exercise of official authority
  - scientific or historical research or compilation of statistics
  - archiving of research and cultural heritage material
- legitimate interests of the controller or a third party

### 4. Sources and types of personal data

Depending on the circumstances, we may collect personal data either directly from you or from other sources. We will collect data from:

- you as the data subject

We will process the following types of personal data:

- General personal data:
  - Age
  - Gender
  - University
  - Previous education, pursued education
  - Study program
  - Year of study
  - Free-time gaming, CTF experience, preferences for CTF exercises
  - Skill, knowledge, self-efficacy, flow, engagement, motivation, satisfaction measurements
  - Name. During BUTCA data collection, your name is available to the researcher. However, your name will **not be collected** or used as part of the study, and your combined survey and BUTCA data will be pseudonymized.

- Technical data: CTF data from BUTCA platform

- CTF score
- CTF test score
- CTF play time
- number of used hints

We will process data on the following categories of data subjects:

employees  students  research participants  research staff  others, please specify: \_\_\_\_\_

## 5. Transfer and disclosure of personal data

Under certain circumstances, your personal data may be transferred to a third country or an international organisation located outside the European Union (EU) or the European Economic Area (EEA). During such transfers, personal data will be appropriately protected by employing suitable transfer mechanisms (such as standard contractual clauses) and technical measures.

Your personal data will not be transferred outside the EU/EEA.

Your personal data will be transferred outside the EU/EEA as follows: \_\_\_\_\_. Describe the transfer mechanism and the protective measures: \_\_\_\_\_

Your personal data will not be regularly disclosed to other controllers.

Your personal data may be disclosed to other controllers under data protection legislation as follows: \_\_\_\_\_

## 6. Protecting personal data

Your personal data will be protected using appropriate technical and organisational measures. We will protect your data through technical measures, including antivirus software, firewalls and regular software updates. Users who can access personal data are required to log in with a username and password or, in some cases, with multi-factor authentication.

We will also protect your data through organisational measures. Our staff are obligated to maintain confidentiality, and access to data is restricted. If necessary, we will implement additional safeguards to protect data, such as separate storage locations.

Any physical documents will be safeguarded by storing them in locked facilities.

Material will be:

collected with direct identifiers

collected without direct identifiers

pseudonymised after collection

stored with personally identifiable information, which is necessary for the following reasons:

\_\_\_\_\_

During this research project, your data will also be protected through the following measures: \_\_\_\_\_

## 7. Retention period for personal data

We will retain your personal data for only as long as necessary, as determined on a case-by-case basis. The retention period also depends on the requirements set out in data protection legislation. We will adhere to our Data Management Plan and all applicable legislation when determining the retention period of personal data.

Your personal data will be retained as follows: Until publication in publication plan have been published and one year after the last publication.

After the research project has been completed, the research records containing personal data will be:

- destroyed in their entirety
- anonymised and archived without personally identifiable information.
- archived with personally identifiable information.

## 8. Profiling and automated decision-making

We will not use your personal data for profiling or automated decision-making.

## 9. Data subjects' rights and how to exercise them

Data protection legislation affords certain rights to data subjects, depending on the lawful basis for processing their personal data. Under certain circumstances, your rights may be restricted, for example, due to our legal obligations or if personal data are processed for scientific research, statistical or archiving purposes. If your rights have been restricted, we will implement appropriate and necessary technical and organisational measures to protect your privacy. As a data subject, you have the following rights which you can exercise by sending us a request.

### Right of access

You have the right to request confirmation of whether we hold your personal data and to receive a copy of the data we hold.

### Right to rectification

You have the right to request that any incorrect or incomplete personal data we hold about be revised or supplemented. You can also request to have any unnecessary personal data erased from our records.

### Right to erasure

You have the right to request the erasure of your personal data from our records ("right to be forgotten") under certain circumstances.

### Right to restrict processing

You may have the right to restrict the processing of your personal data in certain cases defined by law. For example, this right may apply if you believe the personal data we hold about you is incorrect or that your data are being processed in violation of data protection legislation, or if you have opposed the processing of your data.

### Right to object

In certain circumstances, you have the right to object to the processing of personal data on grounds relating to your particular situation.

### Right to data portability

Under certain circumstances, you have the right to request that the personal data you have provided be transferred to another system.

### Right not to be subject to automated decision-making

You have the right not to be subject to decisions based solely on automated processing (such as profiling) that produce legal effects concerning you or otherwise similarly and significantly affect you. However, there are exceptions to this prohibition.

### Withdrawing consent

If your personal data is being processed based on your consent, you have the right to withdraw your consent at any time.

### Right to lodge a complaint with a supervisory authority

You have the right to lodge a complaint with a supervisory authority (Data Protection Ombudsman), if you believe that the processing of your personal data violates data protection legislation.

Office of the Data Protection Ombudsman

Street address: Lintulahdenkuja 4, FI-00530 Helsinki, Finland

Postal address: PO Box 800, FI-00531 Helsinki, Finland

Switchboard: +358 29 56 66700

Fax: +358 29 56 66735

Email address: [tietosuoja@om.fi](mailto:tietosuoja@om.fi)