

# Informed Consent of Participation

You are invited to participate in the study about **Image Processing Workflows** initiated and conducted by Martin Feick and Fei Chen. The research is supervised by Prof. Dr. Tim Dahmen. Please note:

- Your participation is entirely voluntary and can be withdrawn at any time.
- The study will last approximately 90 minutes.
- We will record personal demographics (age, gender, etc.).
- We will perform audio and screen recordings and take notes during the study.
- All records and data will be subject to standard data use policies.
- Repeated participation in the study is not permitted.

Participation in this study is completely voluntary. If you have any questions or complaints about the whole informed consent process of this research study or your rights as a human research subject, please contact Prof. Dr. Tim Dahmen (E-Mail: [tim.dahmen@dfki.de](mailto:tim.dahmen@dfki.de)) and Prof. Dr. Philipp Slusallek ([philipp.slusallek@dfki.de](mailto:philipp.slusallek@dfki.de)). You should carefully read the information below. Please take the time you need to read the consent form.

## 1. Purpose and Goal of this Research

The main purpose of this research is to evaluate the usability of the image processing tool Chaldene. Your participation will help us achieve this goal. The results of this research may be presented at scientific or professional meetings or published in scientific proceedings and journals.

## 2. Participation and Compensation

Your participation in this study is completely voluntary. You will receive a 25 € Amazon Voucher as compensation for your participation. You may withdraw and discontinue participation at any time without penalty. You can deny answering questions if you feel uncomfortable in any way.

## 3. Procedure

After confirming the informed consent, the procedure is as follows:

1. The participant joins DFKI Microsoft teams meeting.
2. The participant receives a general introduction to the study, the procedure and the tool.
3. The participant will be informed that local audio and screen recording will be started.
4. Participants will be asked to build two image processing workflows using the tool in their browser.
5. After each workflow, they will be asked to fill in a questionnaire.
6. Finally, we will conduct a semi-structured interview to better understand their experience.
7. The participant will be asked to fill-in an demographic questionnaire online after the study.

The complete procedure of this study will last approximately 90 minutes.

## 4. Risks and Benefits

There are no risks associated with this study. Discomforts or inconveniences will be minor and are not likely to happen. If any discomforts become a problem, you may discontinue your participation. You will not directly benefit through participation in this interview. We hope that the information obtained from your participation may help to bring forward the research in this field. Confirmation of participation in this study can be obtained directly from the researchers.

## 5. Data Protection and Confidentiality

We are planning to publish our results from this and other sessions in scientific articles or other media. These publications will neither include your name nor be associated with your identity. Any demographic information will be published anonymously and in aggregated form. Your contact details will not be passed on to other third parties. Any data or information obtained in this interview will be treated confidentially, will be saved encrypted, and cannot be viewed by anyone outside this research project unless we have you sign a separate permission form allowing us to use them. All data you provide in this interview will be subject of the General Data Protection Regulation (GDPR) of the European Union (EU) and treated in compliance with the GDPR. Faculty and administrators from the campus will not have access to raw data or transcripts. This precaution will prevent your individual comments from having any negative repercussions. Access to the raw interview transcript and transcribed observation protocol will be limited to the authors of this research, academic colleagues, and researchers with whom he might collaborate as part of the research process. Any interview content or direct quotations from the interview, that are made available through academic publications or other academic outlets will be anonymized so that you cannot be identified. During the study, we record participants screen and audio data that will be retained securely and compliant with the GDPR, for no longer than necessary or if you contact the researchers to destroy or delete them immediately. Raw audio data will be transcribed, anonymized and deleted. As with any publication or online-related activity, the risk of a breach of confidentiality or anonymity is always possible. According to the GDPR, the researchers will inform the participant if a breach of confidential data was detected.

*Online Questionnaire.* The consent to participate in this online questionnaire can be revoked at any time and without giving reasons until the end of the data collection process by either ending the survey (a corresponding button is available on the website) or closing the browser window. All incomplete data records will be deleted by us. After the end of data collection, the statutory rights of revocation, information, correction, blocking and deletion can no longer be exercised because the data can no longer be attributed to the data subject. For technical reasons, data such as the following, which your internet browser transmits to us or to our web space provider (so called server log files), is collected:

- type and version of the browser you use
- operating system
- websites that linked you to our site (referrer URL)
- date and time of your visit
- your Internet Protocol (IP) address.

This anonymous data is not merged with the survey data. On this website we use so-called cookies. Cookies are small files that are stored by your web browser. The cookies used on our website do not cause any damage to your computer and do not contain any malicious software. They enable a user-friendly and effective use of this website. We use permanent cookies with a maximum validity period of 365 days. We use these cookies exclusively to exclude multiple participation. With the transfer of the collected data to our server, an anonymization takes place, which makes it practically impossible to assign the collected data to a person, as long as no personal data is entered in free text fields. The results and data are used exclusively for scientific research purposes and will be published anonymously as part of scientific publications. They can also be processed anonymously for other scientific research purposes.

## 6. Identification of Investigators

If you have any questions or concerns about the research, please feel free to contact:

Researchers

Martin Feick ([martin.feick@dfki.de](mailto:martin.feick@dfki.de))

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Senior Researchers

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Head of Department

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## 7. Informed Consent and Agreement

This consent form will be retained securely and in compliance with the GDPR for no longer than necessary.

- I understand the explanation provided to me. I understand that this declaration of consent is revocable at any time. I have been given a copy of this form. I have had all my questions answered to my satisfaction, and I voluntarily agree to participate in this interview.
- I agree that the researchers will record audio and take notes during the interview. I understand that all data will be treated confidentially and in compliance with the GDPR. I understand that the material will be anonymized and cannot be associated with my name. I understand that full anonymity cannot be guaranteed, and a breach of confidentiality is always possible. From the consent of publication, I cannot derive any rights (such as any explicit acknowledgment, financial benefit, or co-authorship). I understand that the material can be published worldwide and may be the subject of a press release linked to social media or other promotional activities. Before publication, I can revoke my consent at any time. Once the material has been committed to publication it will not be possible to revoke the consent.

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Printed Name of Subject

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Signature of Subject

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Location, Date