This is the published version of a paper presented at *The International Conference on New Interfaces for Musical Expression (NIME).*

N.B. When citing this work, cite the original published paper.

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Page 1: Information

We are looking for participants for a research project on electronic musical instruments. On this page we present information about the project and what it means to participate.

What is this project about and why do you want me to participate?
This survey is part of the research project "Accessible Digital Musical Instruments - Improving Music Interfaces for Persons with Disabilities Using Multimodal Feedback and Artificial Intelligence" (VR International Postdoc Grant 2020-00343). This research focuses on music-making using data-driven methods and customization of interactive music systems. The purpose of the project is to investigate how multimodal feedback and AI tools can be used to widen participation in music-making with digital musical instruments.

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This invitation to participate is sent to you since you are affiliated with a music organization or have subscribed to a music-related mailing list. You have been invited to participate in this survey because you have some music-making experience, particularly in the field of electronic music.

The entity principally responsible for this research is ████████████ Technology.

How is the study conducted?

Participation in this study consists of replying to a set of questions about your electronic music practice. The estimated time for the survey is **10-15 minutes**. Possible consequences and risks of participating in the study Research subjects will not be exposed to any risks.

What happens to my information/data?

The project will collect and register information about you using the Alchemer survey platform. We will store your replies to questions about your electronic music-making experience and expertise, access requirements and/or disabilities, and demographic information (age, gender, country of residence, nationality). We will also collect survey submission time, language used on your device, and http referrer. No IP-address or geo-location data will be collected.

The results of the study will be published in scientific conferences/journals and be pseudonymised (i.e. can not be traced back to you).

The Principle Investigator (PI) of the above-named research project, Dr Emma Frid, is responsible for ethical conduct and scientific integrity of the

research and correct data handling, i.e. that the data of the participants are transferred and used in a secure setting, and that the use of the data is compliant with ethical and legal requirements. Your answers and your results will be processed so that unauthorized persons cannot get access to them. Only the PI will have full access to the data. Temporary access to data will be granted to collaborating researcher ███████████████████████ ████████████████through a link that will expire after the completion of the project.

The purpose of the collection of personal data is to collect information that will allow for the development of accessible music interfaces, thereby widening participation in music-making.

Data will be processed on a legal basis with the research subject's explicit consent, in compliance with the General Data Protection Regulation (GDPR).

You have the right to access the information about you that is collected in this survey free of charge and, if necessary, to get any errors corrected. You can also request that information about you is deleted and that the processing of your personal data is restricted. If you want to do so, please contact the person responsible for the project with your email address and telephone number.

The Data Protection Officer at ███████████████████████████ ██ ████████████ can be reached at ████████████████████████
If you are dissatisfied with how your personal data is processed, you have the right to file a complaint with the Swedish Authority for Privacy

Protection, which is the supervisory authority.

What happens with my data?

The PI ████████ (contact details below) is responsible for data storage and data processing.

You have the right to say no to the data being saved. If you agree to data being saved, you have the right to later withdraw (cancel) that consent. In that case, your data will be discarded. If you wish to withdraw consent, please contact the researcher in charge of the project with your email address and telephone number.

The data may only be used in the way you have given your consent to.

How do I get information about the results of the study?

You are granted the freedom of access to your individual data and/or the summarized results of the study if you want to learn about the results (this is, however, not required or mandatory).

Insurance and compensation

No compensation or insurance coverage is provided.

Participation is voluntary

Participation is voluntary and you can choose to cancel your participation at any time. If you choose not to participate or want to cancel your participation, you do not have to state why.

If you wish to cancel your participation, please contact the person

responsible for the study (listed below).

Responsible for the study:

████████████

Email: ████████████

Address: ████████████████

Phone: ██████████

1. I agree to participate in this study ***This question is required.**

- ○ **1. Yes**
- ○ **2. No**

2. I agree that information about me is processed in the manner described above. ***This question is required.**

- ○ **1. Yes**
- ○ **2. No**

3. I agree that my data is saved in the manner described above. ***This question is required.**

- ○ **1. Yes**
- ○ **2. No**

✖

| Question | More ▲ |

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Page 2: Demographics and Musical Experience

☑ This question has answer validation   View Conditions ▼

4. Age: ***This question is required.** This question requires a valid number format.

[   ]

5. Gender identity: ***This question is required.**

[   ]

6. Nationality: ***This question is required.**

[   ]

7. Country of residence: ***This question is required.**

[   ]

8. Which category best describes your level of musical expertise? ***This question is required.**

-- Please Select -- ▾

☑   This question has answer validation   View Conditions ▾

9. For how many years have you been creating electronic music? ***This question is required.**

This question requires a valid number format.

[   ]

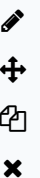10. Have you had any formal training in electronic music? ***This question is required.**

- ○ 1. Yes
- ○ 2. No, I am self-taught

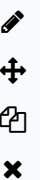11. If you selected "1. Yes": please specify what type of formal training you have had.

[text box]

12. Do you play or perform electronic music with others? ***This question is required.**
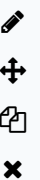
- ○ 1. Yes
- ○ 2. No

13. Do you have a disability and/or any access requirements? ***This question is required.**

- ○ 1. Yes
- ○ 2. No

14. If you selected "Yes": please describe disability and/or access requirements.

[text box]

15. Do you use any assistive technologies? ***This question is required.**

- ○ 1. Yes ✖
- ○ 2. No

16. If you selected "1. Yes": which assistive technologies do you use?

[text box]

17. Has your electronic music-making practice been affected or changed as a result of the covid-19 pandemic? ***This question is required.**

result of the covid-19 pandemic. **This question is required.**

- ○ 1. Yes
- ○ 2. No
- ○ 3. Not sure

18. If you answered "1. Yes": please describe how your electronic music-making practice has been affected or changed.

[text box]
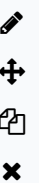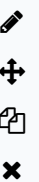
Question   More ▲

📄 Add Page   More ▼

Page 3: Electronic Music-Making Setup

Please describe your electronic music making set up. Do you use any of the following? Check all that apply.

19. Software: ***This question is required.**

- ☐ 1. Ableton
- ☐ 2. Reaper
- ☐ 3. Logic
- ☐ 4. Audacity
- ☐ 5. Max/MSP
- ☐ 6. Pure Data
- ☐ 7. SuperCollider
- ☐ 8. Pro Tools
- ☐ 9. Reason
- ☐ 10. Other (please specify)

20. If selecting "10. Other": please specify the software that you use.

21. Do you use MIDI interfaces? **This question is required.**

- ○ 1. Yes
- ○ 2. No

22. If you answered "1. Yes": please describe which MIDI interfaces that you use.

23. Do you use modular synthesizers? **This question is required.**

- ○ 1. Yes
- ○ 2. No

24. If you answered "1. Yes": please describe which modular synthesizer that you use.

25. Do you use effect units? **This question is required.**

- ○ 1. Yes

- ○ 2. No

26. If you answered "1. Yes": please describe which effect units that you use.

27. Do you use gestural controllers? **This question is required.**

- ○ 1. Yes
- ○ 2. No

28. If you answered "1. Yes": please describe which gestural controllers you use.

29. Do you use any other hardware? **This question is required.** (Apart from MIDI interfaces, modular synthesizers, effect units, and/or gestural controllers)

- ○ 1. Yes
- ○ 2. No

30. If you answered "1. Yes": please describe the other hardware that you use.

31. Do you use any custom-built or hacked technologies or tools? **This question is required.**(Do you build your own interfaces?)
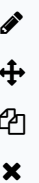
- ○ 1. Yes
- ○ 2. No

- ○ **3. No, but I am collaborating with someone who builds tools for me**

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32. If you answered "1. Yes" or "3. No, but I am collaborating with someone who builds tools for me": please describe the tools.
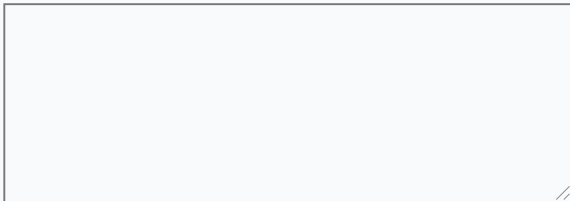
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33. For what do you use your current setup? Check all that apply.
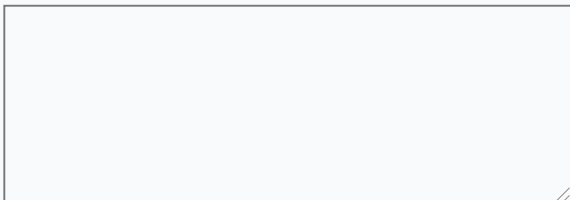***This question is required.**

- ☐ **1. To perform live**
- ☐ **2. To compose**
- ☐ **3. To play with others**
- ☐ **4. To play at home**

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34. Are there any limitations or frustrations with your current set up? If so, please describe them. ***This question is required.**

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35. Imagine an ideal interface that would allow you to create exactly the music you want to make. What would that interface look like and how would it work? ***This question is required.**

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36. Gestural in-air controllers are interfaces that allow users to control music through in-air human movement. How could that be used in your practice? ***This question is required.**

37. Machine Learning (ML), *i.e. computer algorithms that allow computer programs to automatically improve through experience*, and Artificial Intelligence (AI), *i.e. the science and engineering of making computers behave in ways that, until recently, we thought required human intelligence*, are increasingly used in modern technologies.

Do you think that ML and AI could be used in your practice? If so, how? ***This question is required.**

38. Do you have other questions or comments?

Question   More ▲

📄 Add Page   ✖ More ▼

Thank You Page: Thank You!

🚩   Responses are marked as complete when they reach this page (The survey will end on this page)

Thank you for taking the time to complete this survey!

✖

ⓘ Getting Started Guide   ✖

Survey Actions let you do all kinds of things with your survey or data - send a thank you email, push data to salesforce, run custom code, and more. Build your own Action, or use one of these to get started:

[Send Me a Confirmation Email]   [Send Respondent a Confirmation Email]

[Redirect to a URL]

[Text/Media]   More ▲

‹   1   2   3   4   ›

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