****minutes

Sub project / GAP (incl. sub projects): D02 / A04

Date and location: 04.05.2022, Zoom

Participants: Markus Heyder, Hui Lu, Misha Sadeghi, Nils Albrecht, Klara Capito, Robert Richer, Lena Gmelch, Matthias Berking, Stephanie Böhme

Keeper of the minutes: Misha Sadeghi

Date and location for next meeting: 25.05.2022

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| **topic 1 - Actual status in Erlangen (D02)** |
| content/description: |
| * Chair with special mesh back arrived in the Empkins Lab
* The radar is still by Fabian and he tries to implement a signal export that can be used for synchronization with data that is measured by the the BioPac (EDA, ECG, EMG)
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| **topic 2 – Next Steps** |
| content/description: |
| * Radar will be in EmpkinS-Lab at the end of this week (on 6.5.22) at the latest
* Then D02 will take care about suitable fixation of the radar to the tripod
* And then will have another DryRun with different (protocolled!) participants’ movements (also video data can be helpful to get an idea of which extension the movements produce artifacts) and different (protocolled!) back positions of the radar (Robert can give hints how to locate the radar)
* Radar data will send to Hamburg and data quality will be defined
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| tasks and responsibilities: |
| * Device to attach Radar sensor to Tripod
* Dryrun
	+ Test tripod & chair situation
	+ Test Radar location
	+ Test-data:
		- Fixed sequences (e.g., moving around, etc.)
			* segments of 1-2 minutes
		- Send back to A04 for further analysis of signal quality
			* Send videos as well for visual inspection?
			* Would have to be synchronized as well 🡪 idea: Use artefact at beginning
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| **topic 3 - Actual status in Hamburg (A04)** |
| content/description: |
| * The new radar will be ready at the beginning of June
* One person from Hamburg will get to Erlangen to install and implement the radar and software and also the connection to the synchronization board
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| **topic 4 - Synchronization** |
| content/description: |
| * A01 developing synch board
* This is planned to be integrated in D02, as soon as it is ready
* Until then experiment will start with a different synchronization solution (Sync signal output from Fabian’s radar)
* most important right now: precise synchronization of Radar and Biopac system
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