

EMA Workshop

7th International Conference on Speech Motor Control – Groningen, Friday, July 7, 18:00

- Welcome and introduction of Sabrina Carstens, our new Engineer in 2018.
- Presentation of the HeartRate study to demonstrate the high position resolution of the AG501

HEART RATE ESTIMATION USING ELECTROMAGNETIC ARTICULOGRAPH(EMA)

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HeartRate.pdf (<http://www.articulograph.de/wp-content/uploads/2017/06/HeartRate.pdf>)

- Examples for the use of the AG501

Playing clarinet - <https://www.youtube.com/watch?v=LW7IZQk4QYw>

To collect data on consistency of hand/finger placement during PROMT intervention, both within across days
- <https://www.youtube.com/watch?v=zzxc8pGWUtw>

- **Demonstration of a dual recording simultaneously with two AG501 Systems by Mark Tiede**

- **General Discussion**

1. Software updates

2. USB sound card : Alesis - Tascam US2x2 - Tascam US4x4

https://www.thomann.de/gb/tascam_us_2x2.htm?glp=1

Sometimes the sound recording with the Alesis board fails. Now with the new update the Tascam boards are integrated in the AG501 software

3. New Sybox2 – improved possibilities of synchronization

4. Biteplane use and fixing sensors.

Epi glu disturbs the material of the biteplane. We found for example Bindulin Gel suitable

https://bindulin-shop.de/de/produkt/kleber/bindulin_sofortkleber-gel_3g_tube_SK3G.html

5. Glue:

Who can recommend which glue for fixing the sensors?

Epi glu is now provided in Phiols of 3 g instead of tubes

6. Alternative new type of sensor, the HS150-L120-B – more robust and less expensive

Some groups are already working with this sensors.

7. Available evaluation programs

You will find more details at our Webpage http://www.articulograph.de/?page_id=1089

Articulate Assistant Advanced

EGUANA

VisArtico

MATLAB scripts

MView

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