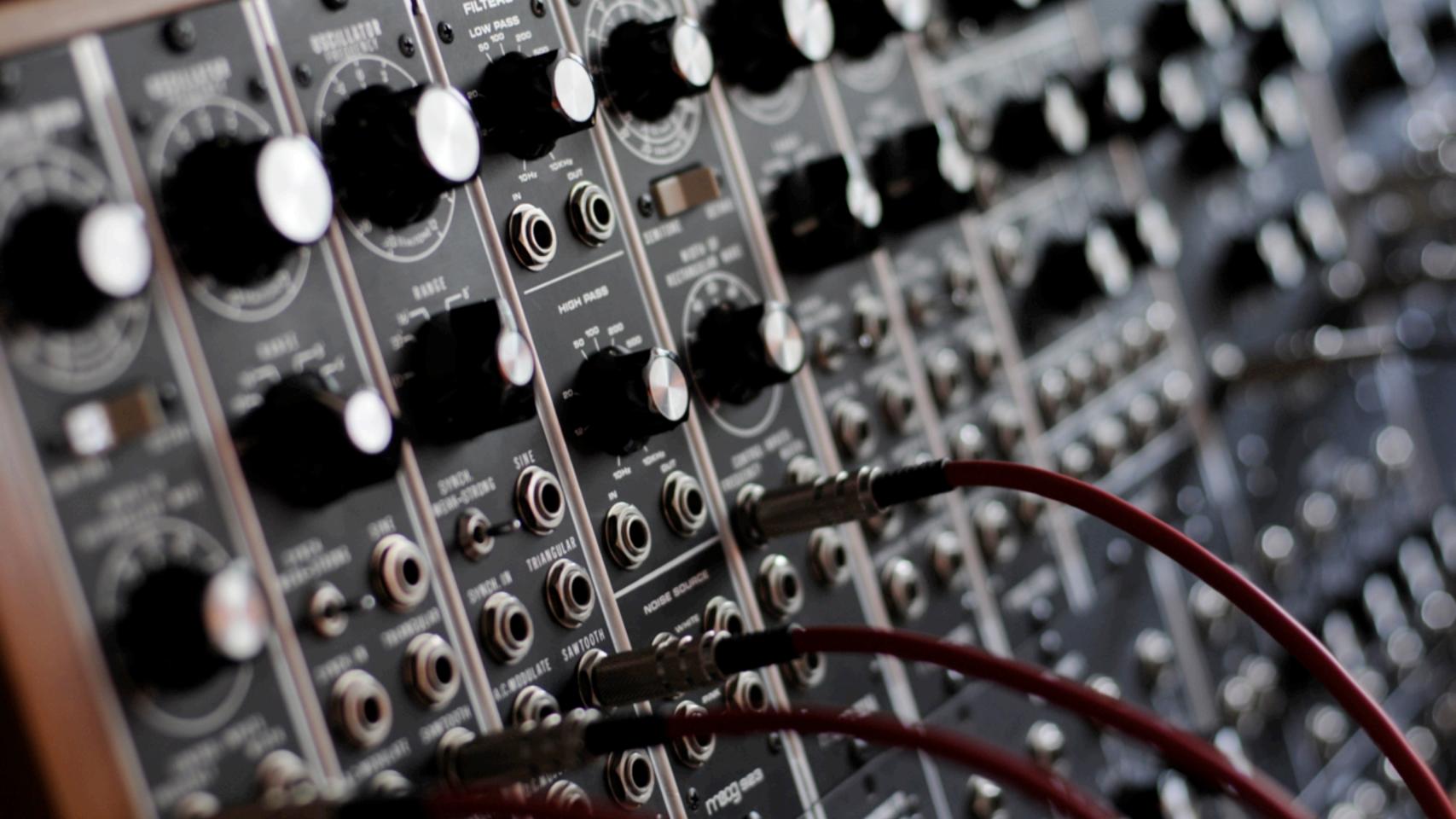
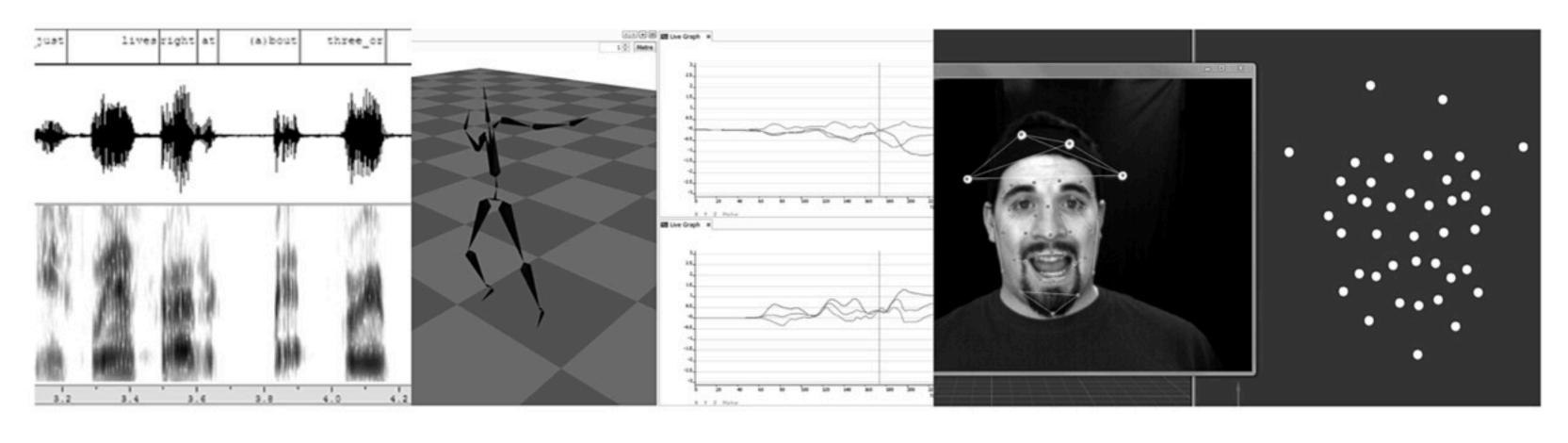
Reactive Statistical Mapping: Towards the Sketching of Performative Control with Data

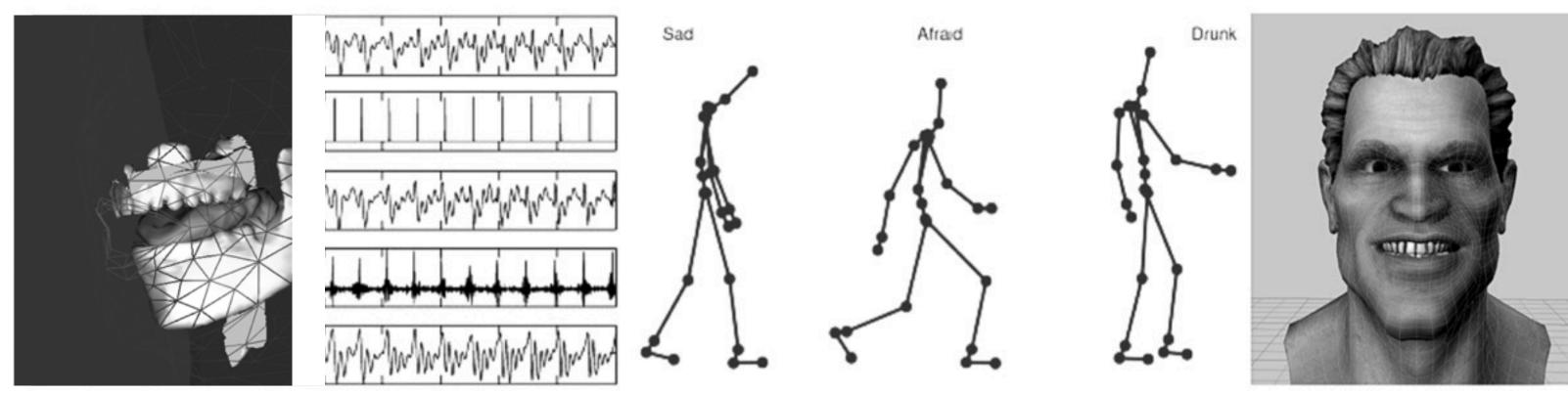
eNTERFACE 2013 Summer Workshop on Multimodal Interfaces

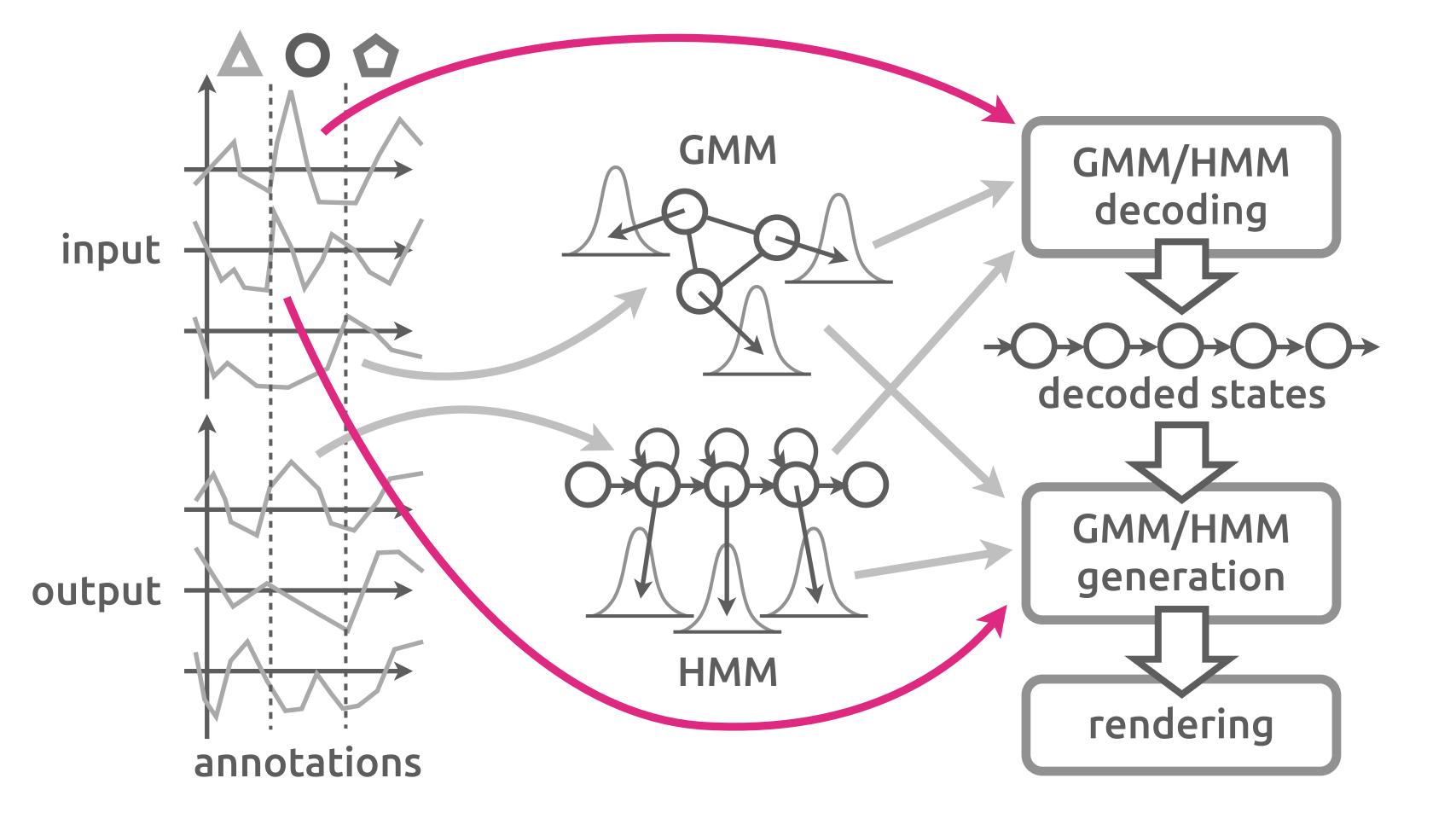
N. d'Alessandro, M. Astrinaki, O. Babacan, A. Barbulescu, H. Cakmak, R. Dall, Q. Hu, T. Hueber, V. Huguenin, S. Kalayci, A. Moinet, V. Parfait, T. Ravet, J. Tilmanne

what we do in this project?
GMM/HMM-based techniques used in speech synthesis as a statistical mapping layer in multimodal performative systems

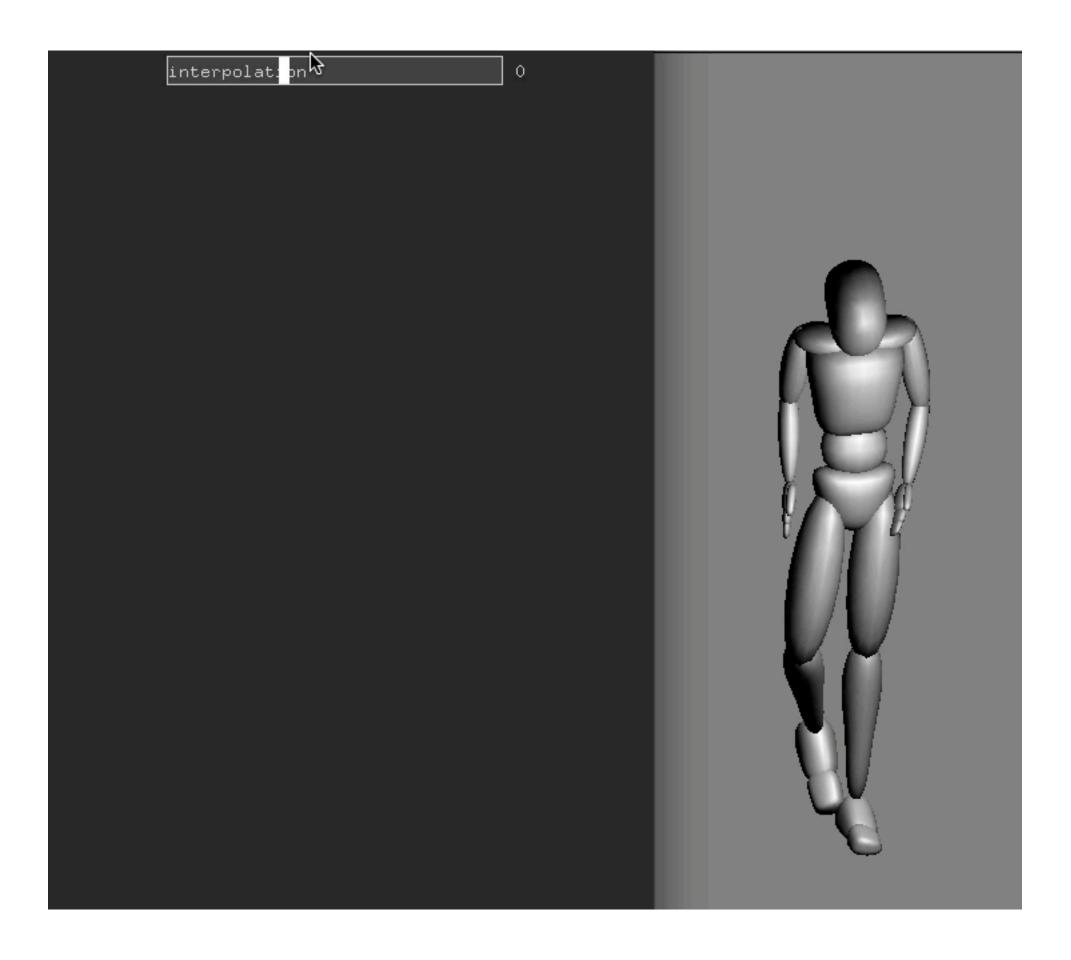


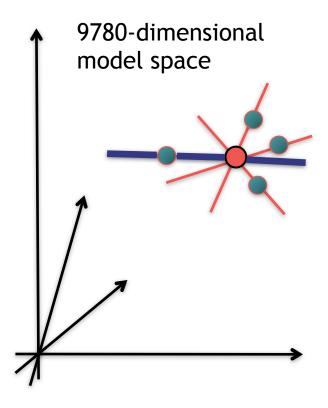


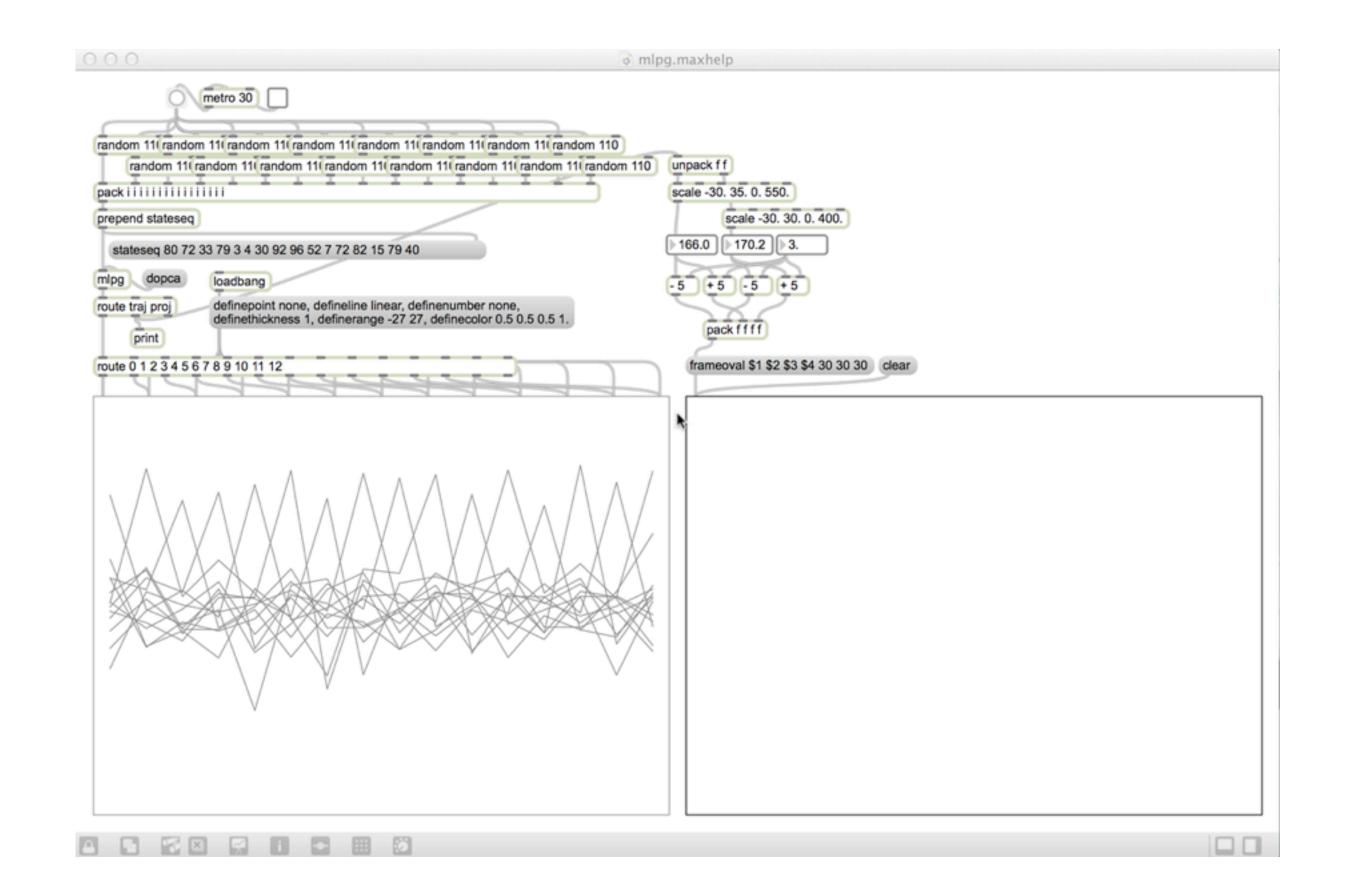




realtime and reactive decoding state sequence and generating trajectories on an acceptable sliding window







- orealtime decoding of state sequences
- o prototyping environment for the sliding state window and testing of various timing ideas
- o inputs in HMM generation: investigating new coupling techniques, regression or FC matrix
- recording singing voice samples and explore GMM/HMM based modeling of voice quality

Obrigado! Questions?