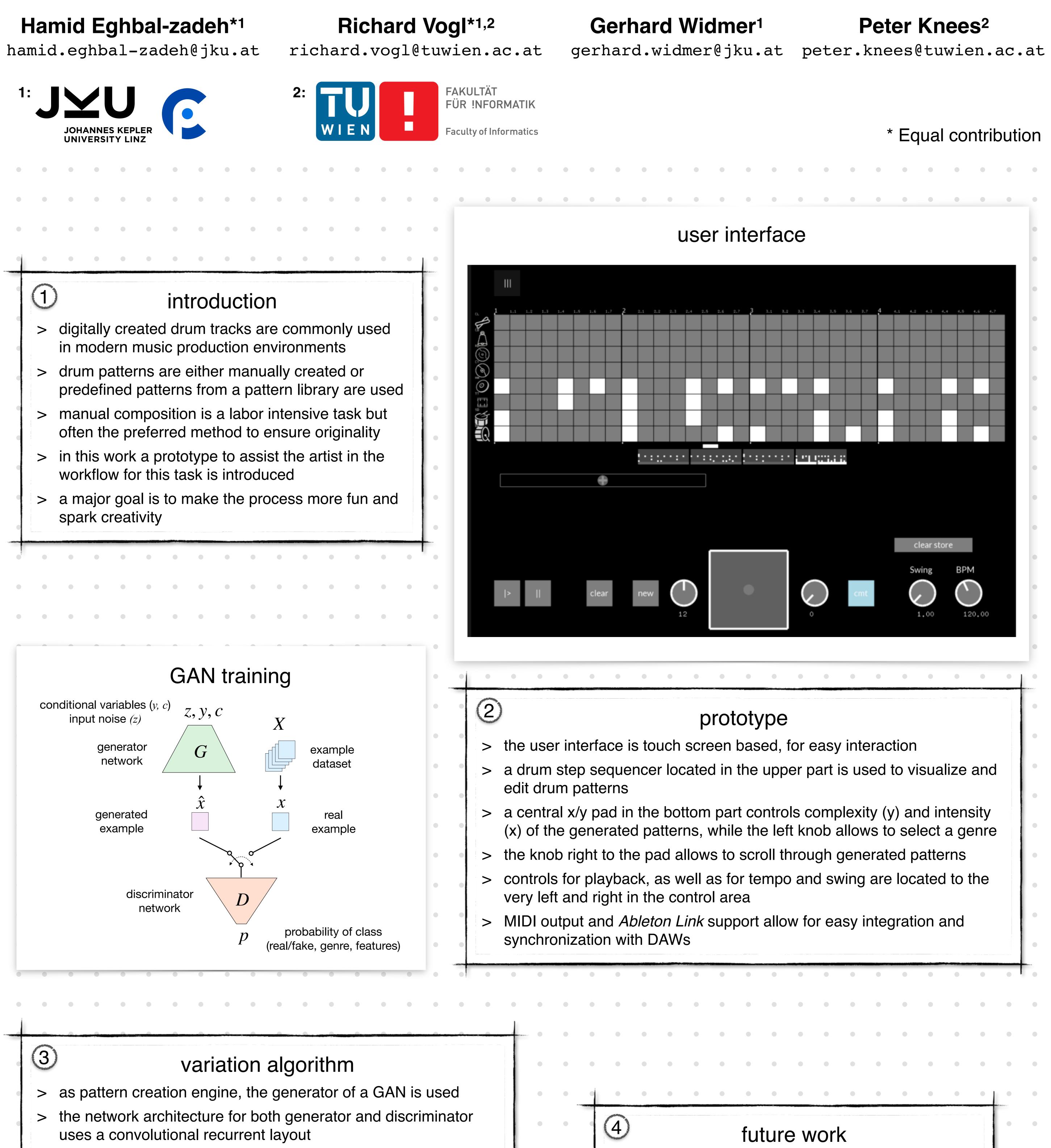
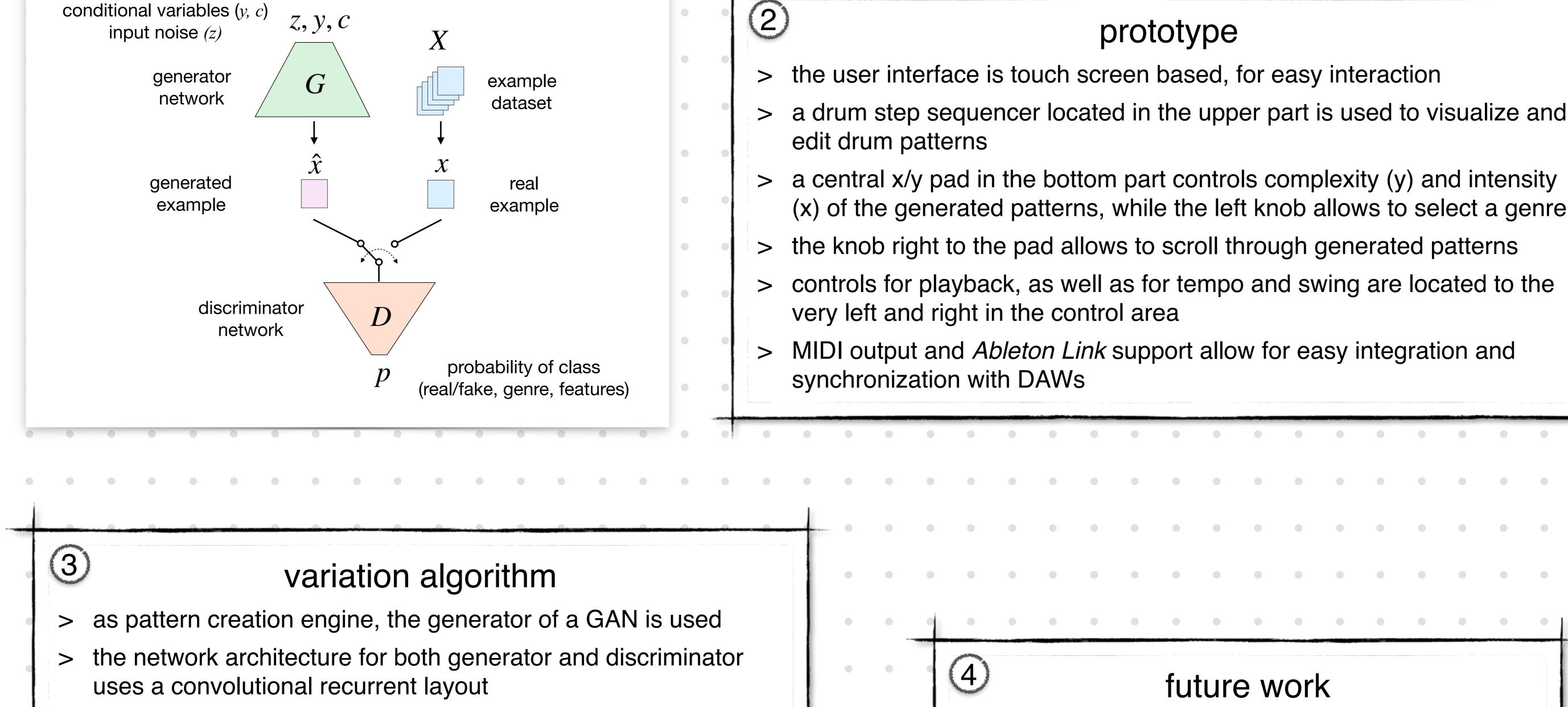
AGAN Based Drum Pattern Generation UI Prototype







- > convolutions are used to model patterns within one bar while the recurrent layers allow to model a varying number of bars
- > the GAN is trained on a large scale data set featuring genre annotations and calculated complexity and intensity features
- the dataset consists of drum patterns transcribed from the > GiantSteps dataset³ and patterns extracted from a MIDI dataset⁴
- > improve GAN training and UI > objective evaluation of generated patterns > user study to evaluate prototype

http://www.cp.jku.at/people/eghbal-zadeh http://www.ifs.tuwien.ac.at/~vogl/ http://www.cp.jku.at/people/widmer/ https://www.ifs.tuwien.ac.at/~knees/

³http://www.cp.jku.at/datasets/giantsteps/

⁴ http://ifs.tuwien.ac.at/~vogl/dafx2018/