Matlab workshop

Code generation:

1. Generate vst: add some command to code to generate vst
2. Some of the function could not support c generation, such as fft should use the one in dsp tool box
3. To generate code for customer’s functions, run coder
4. For fixed point generation, should convert to fixed point matlab first, then convert to c
5. Will recommend use the functions in the DSP toolbox, as the functions in the signal processing is not well supported
6. If a function support code generation, could see the info on the document, with a code generation paragraph there.
7. All Simulink support the code generation.

Simulink:

1. Simulink is stream objected, and OO design
2. Code generation and Deployment – examples
3. How to communicate with the sound card and external microphone to validate a protoype
   1. Used device reader/writer
4. Phase vocoder is embedded in matlab/Simulink
5. Maybe use record file instead of read/write from/to devices in runtime
6. Bayesian optimization
7. Support GPU server