Digitimer DS8R control using Matlab

The codes were tested on a computer with 64-bit Windows 10.1 and Matlab R2018a.

What you need:

- Windows computer with Matlab and software for DS8R installed
- **64-bit D128RProxy.dll** provided by Digitimer
- **DS8R_API.exe**
- Matlab code **DS8R_class.m**

Note that all files should be in the same folder (including the example file DS8R_API_Example.m or your own script).

How to control DS8R using Matlab step-by-step:

1. Connect the device to the computer and turn it on.
   Note: To test if the code works, the device doesn't have to be connected to the computer.
2. Run example Matlab file (**DS8R_API_Example.m**), or make your own script:
   a. Create an object:
      obj = DS8R_class;
   b. Set desired parameters (this step does NOT change parameters in the device yet):
      set_DS8R(obj, 'parameter_name', value);
      Refer to the **DS8R_class.m help** for parameters and values.
   c. Change parameters and trigger the device:
      exe_DS8R(obj)

If you have any questions or encounter any issues, please contact Sungwoo Lee: sungwoo320@gmail.com