APS DFD Timing Code

In general, the APS_DFD is a timer for conference presentation. It comes with several matlab programs that run a excel spreedsheet that contains the schedule of the entire conference. The program generates a screen that display the real-time schedule of the conference. The following is a to-do list to run the program:

1. Make sure the following list of programs are in your current directory:

   – APS_DFD.m
   – session.m
   – loadTimingData.m
   – update_delay.m
   – initbells.m
   – playbells.m
   – drawtime.m
   – setup/APS_DFD_setup.dat (or a file name of your choice; specified in APS_DFD.m)
   – 1bell.wav
   – 2bells.wav
   – 3bells.wav

2. Have the schedule of the conference ready and save it as "setup/APS_DFD_setup.dat". Give the hours in 24-hour format, e.g. 12:00 AM is 0 hours 0 minutes and 12:00 PM is 12 hours 0 minutes. For simplicity, you can edit this using Microsoft Excel. APS_DFD.m will read in the schedule. The last line sets the current day (which is 1 right now). If you have to restart due to a change in schedule or otherwise, you need to set this to the appropriate day.

3. Define your preferred font in the "APS_DFD.m" file.

4. Define whether or not you want to play Bells ('Y' or 'N')

5. Define your platform ('lin', 'win', or 'mac') (because the best sound command is different on each platform)

6. Run APS_DFD.m and you should see a screen come up showing the title of the conference and the first session.

7. Delays can be implemented by pressing the '<' and '>' keys on the keyboard while in the screen:

   – '>' instructs the program to add 1 minute delay to the schedule,
   – '<' instructs the program to subtract 1 minute delay to the schedule.

   In other word, use '>' when the schedule is running late and '<' when the schedule is running fast.