

## Psycholinguistic Research Methods: A Hands-On Workshop on Praat and E-Prime

The Japan Society of Language Sciences (JSLS) is organizing a special English workshop of psycholinguistic experimental research using two major software packages, **Praat** and **E-Prime**. Praat, the Dutch word for 'talk', is a free scientific software program for the analysis of speech in phonetics. This software is designed and developed by Paul Boersma and David Weenink of the University of Amsterdam. E-Prime, developed by Psychology Software Tools Inc., is a suite of applications for experiment generation and millisecond precision data collection through data handling and processing. Every participant is required to attend the entire two-day workshop. JSLS members (to become a member, please see the JSLS homepage, <http://aimee.gsid.nagoya-u.ac.jp/jsls/>) are given priority to register for the workshop until June 10, 2009. Non-members are allowed to register only if seats remain available after this date, limited to a maximum of 40 participants.

**Workshop Lecturer:** Dr. Amy J. Schafer, Department of Linguistics, University of Hawaii at Manoa, USA. Detailed information is available at <http://www2.hawaii.edu/~aschafer/>.

**Language of Instruction:** English

**Date:** July 11 (Saturday) and 12 (Sunday), 2009

**Place:** Room #406 (Tamokuteki Koogishitu, Multi-purpose Lecture Room), Main Building for Inter-Departmental Education (Kyootsuo Kyooiku Too), Nagoya University, Japan.  
**Directions:** <http://www.nagoya-u.ac.jp/en/global-info/access-map/>

**Registration:** Pre-registration is required. Please send your (1) name, (2) e-mail address and (3) affiliation to Katsuo Tamaoka, Nagoya University, Japan ([ktamaoka@lang.nagoya-u.ac.jp](mailto:ktamaoka@lang.nagoya-u.ac.jp)). Any questions should be sent to the same e-mail address.

**Workshop Fee:** 4,000 yen, which covers both days. This fee will be collected on July 11 before the workshop begins.

Each participant is required to bring his or her own microphone for recording, and a laptop computer with both Praat and E-Prime software already installed. The following topics about Praat and E-Prime for psycholinguistic experimental use will be covered during the two-day workshop:

**Praat:** Recording, simple editing, measuring duration/F0, using scripts to rapidly break up long recordings and other common tasks, and using TextGrids for labeling waveform regions.

Please download the newest version of Praat free software (available for both Windows XP and Vista, and also for Macintosh): [http://www.fon.hum.uva.nl/praat/download\\_win.html](http://www.fon.hum.uva.nl/praat/download_win.html).

**E-Prime:** Self-paced reading, tasks with words/pictures/audio, randomizing item sequence, Latin Squares design, using in-lines for more complex designs, and analyzing data.

Please download the demo version of E-Prime software (available for Windows 2000 and XP, but not Vista): <http://www.pstnet.com/products/E-Prime/demo/reqdemo.html>.

## Workshop Schedule (with approximate topics)

### Day #1: Using Praat – July 11 (Saturday), 2009, 12:30 p.m. to 5:00 p.m.

1st session: 12:30 p.m. -2:00 p.m. – Introduction to Praat and acoustic phonetics (90 min)

- Recording speech
- Viewing and measuring waveforms
- Spectrograms, F0 tracks, and other displays
- Basic editing of files

2nd session: 2:20 p.m. - 3:50 p.m. – Working efficiently with Praat (90 min)

- TextGrids
- Applying scripts
- Finding scripts
- Exporting values for analysis

3rd session: 4:10 p.m. - 5:00 p.m. – Additional features of Praat (50 min)

- Creating your own (very simple) scripts
- Modifying scripts
- Synthesis
- Other features

### Day#2: Using E-Prime – July 12 (Sunday), 2009, 12:30 p.m. to 5:00 p.m.

1st session: 12:30 p.m. - 2:00 p.m. – Creating a simple experiment (90 min)

- Instructions
- Participant information
- Task
- Test factors
- Stimuli
- Dependent measures
- Randomizing and counterbalancing

2nd session: 2:20 p.m. - 3:50 p.m. – Using common psycholinguistic techniques (90 min)

- Lexical decision
- Self-paced reading
- Picture naming/picture decision

- Auditory stimuli
- Latin Square design

3rd session: 4:10 p.m. - 5:00 p.m. – Building more complex experiments (50 min)

- Scripting (using in-lines)
- Contingent responses
- Complex designs