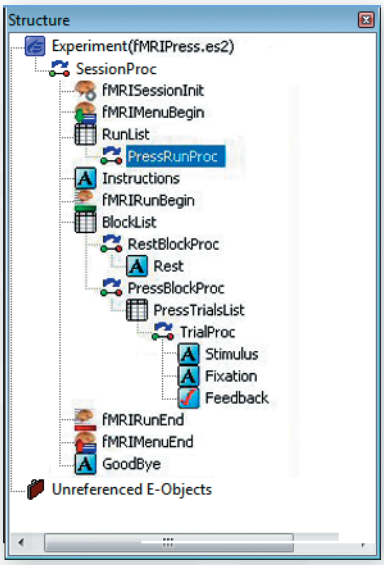
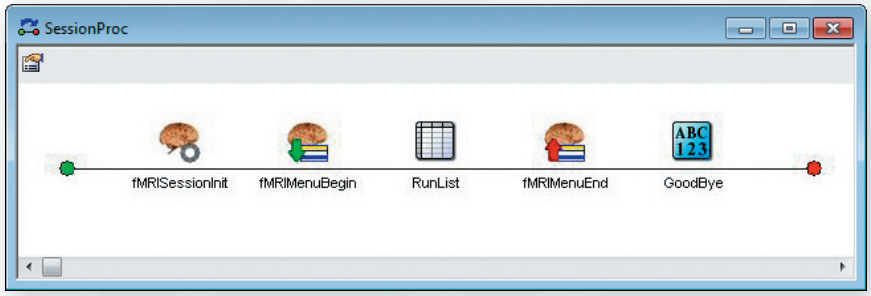
E-Prime® Extensions for fMRI™

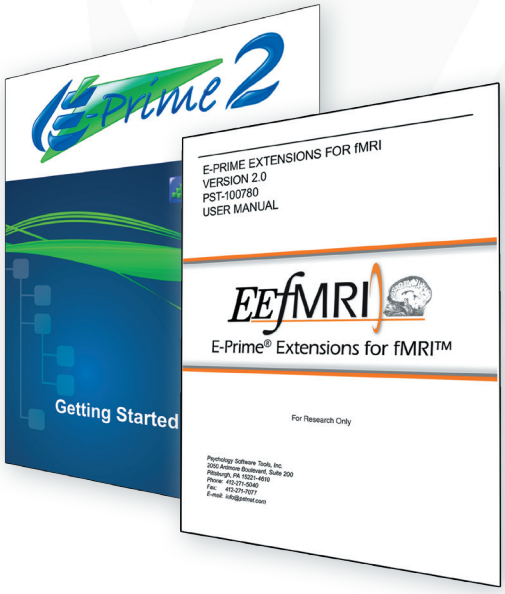
E-Prime® Extensions for fMRI™ (EEfMRI) software is designed to optimize E-Prime® experiments for fMRI research. EEfMRI allows you to synchronize the start of the experiment with the first scanner trigger pulse along with several other valuable features.

Implementing EEfMRI into your current experiments is achieved by simply dragging and dropping the correct EEfMRI package calls into the E-Prime® experiment in the appropriate places. EEfMRI is designed to integrate with other PST hardware and software to increase usability for researchers while maintaining the millisecond accuracy of E-Prime®.

Sample of a real fMRI paradigm using E-Prime Extensions







- Synchronization of the start of the experiment with the scanner trigger pulse
- Simplified logging of user-specified experimental events for later analysis
- Easy to implement menu system that allows the experimenter to group multiple tasks into a single experiment and interactively choose which tasks to present at run time
- Ability to interrupt a running task in a controlled manner to restart tasks without terminating the entire experiment
- New documentation including samples and tutorials
- Turnkey fMRI sample (MapperOne.es2) based on a published experiment* that reliably activates important functional areas

* Drobyshevsky, A., Baumann, S. B., Schneider, W. A rapid fMRI task battery for mapping of visual, motor, cognitive and emotional function. Neuroimage. 2006 June;31(2):732–744.

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