

TechEn is a world-wide leader in innovation for fNIRS development and systems. Since 1998, we have collaborated with Dr. David Boas and his Optics Lab at Massachusetts General Hospital in Boston, Massachusetts, USA.

## CW6 System and Software

## Applications and Support

### CW6 ADVANTAGES

- ❑ CW6 Systems: Portable to Whole head
- ❑ Ease of Use
- ❑ Expansion
- ❑ Customer Support
- ❑ Excellent Signal to Noise
- ❑ Real-time Data Display
- ❑ Collaborations & Publications
- ❑ Software is NIRS compatible
- ❑ Custom Caps
- ❑ Unique configurations for custom studies
- ❑ 50 Hz output sample rate enables fast stimuli presentation

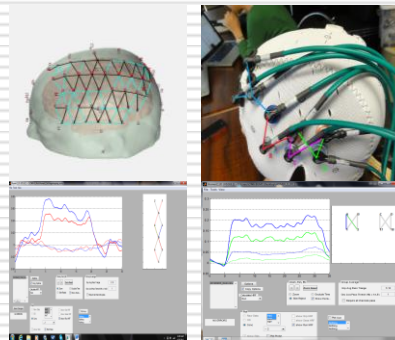


### APPLICATIONS

- Speech, Stuttering & Hearing
- Language
- Stroke and Stroke Recovery
- Motor and Rehabilitation
- Gait & Balance
- Child Learning & ADHD
- Vigilance
- Working Memory
- TBI & Concussion
- Brain Mapping
- Impulse Behavior & Obesity
- Infant & Child Development
- Addiction & Depression
- Autism
- Visual & Perception
- Active Video Simulations, VR & Group Activities
- Breast Imaging

### RECENT ADVANCEMENTS

- Short-distance optode measurements
- Light weight low profile optodes and grommets
- Real-time Adjustable Sample Rate
- Whole-head, 96 lasers, multiple wavelengths
- 32 avalanche photodiode (APD) detectors
- 1,520 data measurement channels
- 3-D Atlas Gui Registration Software



### PIONEERING MULTI-MODAL STUDIES

- fMRI and CW6 for Spatial and Temporal resolution
- EEG and CW6 fNIRS, especially in epilepsy studies
- MEG AND CW6 fNIRS
- X-Ray and CW6 Breast Imaging
- TMS and CW6 fNIRS, patent pending
- tDCS and CW6 for addiction
- Synchronized Multi-modal data collection

### SEAMLESS SOFTWARE INTEGRATION

- HOMER and HOMER2 Compatible
- MATLAB
- NIRS- SPM
- E- prime Compatible, 64 conditions
- Other post-processing software modules

### UNIQUE HEAD CAP SYSTEM

- Comfort & ease of use
- Localization, reliability, repeatability
- Low-profile lightweight grommets, optodes and fibers
- Cortical specific custom
- Head bands, helmets, patches or whole head caps
- Consistent contact with the scalp, even through long hair!

### CW6 for VALUE and RESULTS

- ❑ Continuous Innovation & Advancements
- ❑ Superior Support & Collaborations
- ❑ Successful Results for 14 Years

