

# SCP

## ONLINE COURSE

The **Introduction to BioGraph Infiniti: Slow Cortical Potential (SCP) Online Course** is an indispensable companion to professionals learning how to use their Infiniti neurofeedback system for measuring slow cortical potentials. Whether you are a beginner just getting started with SCP, or an advanced user looking for a refresher, this course is appropriate for the training needs of clinicians, researchers or general health practitioners looking for expert guidance on the functionality, power and versatility of the Infiniti platform.

Following the training protocols validated in Dr. Ute Strehl's pioneering published work, the SCP Suite will be the basis for participants learning how to measure and train specialized brainwaves using slow cortical potentials. Topics of discussion will include published research pertaining to SCPs, hardware hook-up for accurate measurement of these ultra-short events, and navigating the software to get the best results. This course will help catapult attendees forward into immediate training of slow cortical potentials. To better facilitate comprehension of the hardware and software features, this course encourages participants through guided "hands-on" data collection. This course is accredited by BCIA to fulfill the continuing education requirements for recertification.

### ONLINE COURSE BENEFITS

- No travel expense: learn from the comfort of your own home or office.
- All courses are private to ensure both individual attention and scheduling that suits your needs.
- The course can be a total of 4 or 6-hours of online instruction. For the 6-hour course, the time is divided into 1.5 or 2-hour lessons, depending on your preferences. For the 4-hour edition, the basic content and time is divided into 2-hour lessons.
- Note: If participants are not familiar with traditional amplitude neurofeedback, EEG montages, or neurofeedback in general, we suggest enrolling in the 6-hour course.
- While following course objectives, instructors are able to modify goals to best suit your interests.

### OBJECTIVES AND OUTCOMES

- At the end of this course, participants:
- Will have acquired a strong understanding of their equipment and how to apply the EEGZ-3 sensor and electrodes accurately.
  - Understand the importance of the impedance check.
  - Will know how to record a monitoring and training session using the SCP suite software.
  - Will be able to identify and briefly describe the relevant physiological measurements collected from the slow cortical potential brainwave signal.
  - Will be able to alter feedback to suit the needs of different potential clients.
  - Can define 'what is an artifact', 'why is artifact rejection necessary', and how to minimize/avoid artifacts.
  - Can generate a specialized report for statistical analysis, within and between sessions.



# LESSONS



## **Orientation to SCPs, the Hardware, the Sensors, and the Software**

The course begins with a background review of slow cortical potentials and Dr. Ute Strehl's published work in training SCPs. From that base, participants learn to connect the hardware together and how to apply the sensors to an individual. For getting started with the software, an overview of the different recording sessions featured in the SCP Suite is given, along with a review of settings that best suit user needs. Coverage for recording data includes: client database sorting, client confidentiality, button bar controls, general options, and hardware setting.

## **Record a Training Protocol and Navigate the Interface**

This session devotes itself to effectively recording an SCP training protocol, following the framework used by Dr. Strehl. Covered topics include: in-session controls, artifact calibration, feedback mechanisms (auditory and visual), instrument adjustments, SCP signal identification, transfer trials, subject guidance, event markers, artifact calibration and avoidance, and saving of the session. As the session progresses, participants will learn to read, interact and modify all available parameters.



## **Data Review, Artifacting, and Reporting**

This lesson devotes itself to the review of recorded data from the previous lesson. Topics of this session include review-mode controls, multi-line graphing, artifact rejection (manual and automatic), technical analysis of the statistics, along with generating, analysis, and printing of the specialized slow cortical potential excel report.

## **Further Training, Trending & Review**

The final session continues with training functionality from lesson 3 by examining additional phases of the training protocols, while leaving the possibility open for further discussion on topics that the participants wish to review or elaborate upon. Tracking client progress over multiple sessions will be demonstrated by use of the integrated trend reporting. If time permits, a simple overview of the Developer Tools is provided, for users that wish to create their own unique screens, scripts, combinations of sensors, or statistical collections.





### **To Register**

Purchase the selected online course directly from the Thought Technology website or by contacting Thought Technology's Workshop Coordinator:

#### **Directly from the Website:**

Go to "<http://thoughttechnology.com/index.php/online-overview>" and purchase the desired course either separately or included with a complete system. You will then be contact by the Workshop Coordinator to schedule the course.

#### **By contacting the Workshop Coordinator:**

Tel: 1-800-361-3651 ext. 135  
Tel: (514) 489-8251 ext. 135; Fax: (514) 489-8255  
E-mail: [workshops@thoughttechnology.com](mailto:workshops@thoughttechnology.com)

### **Cancellation Policy**

Cancellations must be received in writing if requested prior to 1 week before the course commencement date. You will receive credit towards a future course minus an administration fee of US\$ 50. Cancellations after this date forfeit registration fee. Thought Technology Ltd. reserves the right to cancel the course with full refund.

Please be advised ALL online training courses have a 1 YEAR EXPIRATION Date of Use from date of purchase. After which, all paid online training course fees will be NONREFUNDABLE.