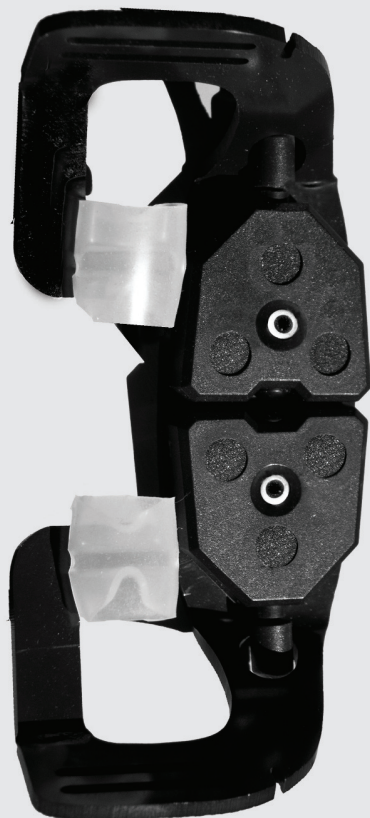# pIR HEG
ONLINE COURSE

The Introduction to BioGraph Infiniti: pIR HEG Online Course is an excellent conduit for professionals getting started with their biofeedback system for measuring passive infrared hemoencephalography (pIR HEG). 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.

With the TT-pIR Suite as the basis for instruction, participants will learn how to apply, perform, monitor and train frontal brain activity using the pIR HEG measurement with a variety of feedback components. Included in this course will be an explanation of the physiological basis for the hemoencephalographic signal and a review of published research on the modality.

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 online course has a total of 4-hours of online instruction. The course is divided into two 2-hour lessons.
- While following course objectives, instructors are able to modify goals to best suit your interests.

OBJECTIVES AND OUTCOMES
At the end of this 4-hour course, participants:

- Will have acquired a strong understanding of their equipment and how to apply the TT-pIR headset.
- Will know how to record a monitoring and training session using the TT-pIR Suite software.
- Will be able to identify and briefly describe the relevant physiological measurements.
- Will be able to alter feedback to suit the needs of different potential clients.
- Can define 'what is an artifact' and how to minimize/avoid artifacts.
- Can generate a report for statistical analysis, within and between sessions.

LESSONS

1 — Orientation to Hemoencephalography, Hardware, Sensors, and Software; Running a Session Recording

The course begins with an overview of hemoencephalography and the underlying physiological processes of the brain that allow its accurate measurement. From there, participants learn the proper hardware-connection process and sensor application method for the equipment. The instructor will then spend the remaining session getting the participants started with the software, which includes general options and hardware settings, client database sorting, client confidentiality, in-session controls, instrument adjustments, subject guidance, "what is an artifact", artifact identification in real-time, artifact avoidance strategies, event markers, and saving the session. For the aspects of the monitoring or training feedback session recording, the participants will learn how to read, interact and modify each on-screen instrument and graphic, including scales, thresholds, epoch mean parameters, feedback (sounds, music, and animations), etc. The feedback logic and mechanisms for training will be explained and users will learn how to customize the software to meet the needs of their clients.

2 — Data Review, Reporting, Trending, and Further Discussion

Picking-up from the previous lesson, any additional elements of the monitoring and/or feedback session will be completed before moving on to data review. Topics covered will include review-mode navigation, multi-line graphing, artifact rejection features, computing statistics, and generating a report. Methods for tracking progress within a single session and between multiple sessions will be reviewed as well. The course will leave the possibility open for further discussion on topics that the participants wish to review or elaborate upon.

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**

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.