



### **BioGraph Infiniti Z-Score Online Course**

is designed for users of Infiniti systems who have purchased the **Z-Score Mini Suite** or want to maximize the Z-Score potential of the **EEG Suite**. Its goal is to meet the training needs from clinicians, researchers and other health professionals who want to learn how to use the latest 2 and 4-channel Z-Score Biofeedback technology. This course will be focusing on defining the Z-Score and how it can be used in assessment and training. This online course introduces the user to the functionality, power and versatility that the Infiniti platform has to offer.

All online courses are 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 limited to a maximum of 3 participants to ensure individual attention.
- Rotating monthly courses allow for greater flexibility with your schedule.
- The participants will get the benefit of a “hands-on” learning experience of this powerful physiological tool.
- The online course has a total of 4-hours of instruction given over the internet. The four hours are divided into four 1.0-hour lessons given twice a week for two weeks.

### **KEY COURSE INFO:**

**Total Course Time:** 4 hours, delivered in 4 sessions in the span of 2 weeks.

**Course Cost:** \$200

**Number of participants:** 2-3

**Frequency/schedule:** monthly

### **COURSE OBJECTIVES**

Objectives are set at the beginning of the course with the instructor and with the goal to meet the objective before the end of the Course. The goal of this course is to make beginners feel comfortable using the BioGraph Infiniti **Z-Score Mini Suite** or their **EEG Suite** with their hardware, and to offer advanced users an overview of the full clinical potential of their systems. Participants will learn to recognize the important components of their hardware and characteristics of their Z-Score software. They will also be able to identify various hardware accessories and software suite items, and understand how to properly engage them for effective session use.

### **LEARNER OUTCOMES**

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

- Will have acquired a good understanding of their encoders, sensors, cables, electrodes, as well as the **Z-score Mini Suite** and/or Z-Score screens in **EEG Suite** software.
- Will be able to identify and briefly describe the measurements and statistics generally used in Z-score neuro-feedback assessment and training.
- Can explain what a virtual data-channel is and how it is related to the raw data from the physical sensor.
- Can define what is artifact, why is artifact rejection necessary, and can demonstrate when an automatic artifact rejection is useful.

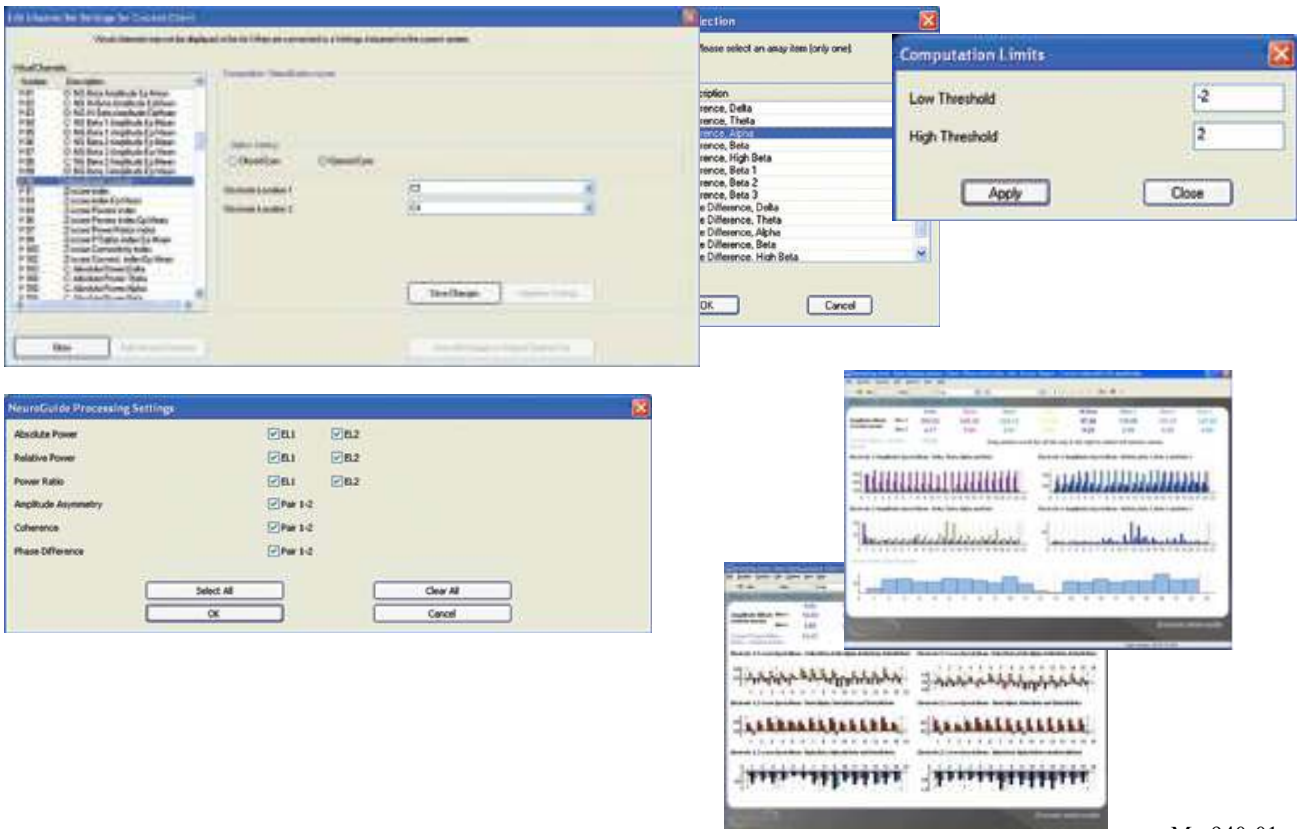
**Lessons 1 and 2: Z-Score Assessment and Training**

In lessons 1 & 2, you will first get familiar with how to connect sensors, cables/electrodes and encoders, and then learn how to train using simple indices that report on multiple z-score values simultaneously, modifying them easily or making your own. You will learn how to measure standard bands of EEG activity at the same time and how to use Z-score 2 or 4-channel assessment and training screens. You will also learn how to take advantage of the Quick Start set up and get real time Z-score values during a session.



**Lessons 3 and 4: Graphical Settings and Report Screens**

In lessons 3 & 4, you will learn to identify the different Z-score graphical settings and how to modify them, such as changing the settings on the fly; for example, bandwidths, sound feedback and animations. In addition, you will learn to use the various review and report screens that include efficient graphical representation of session trends with statistical analysis.



**This course is intended for licensed health professionals and those participants seeking BCIA certification if they are not already certified. As this online course is a "hands-on" learning experience, you are required to use your equipment online including computer with software, encoder and sensors. Also required are: High speed internet, Skype™ and GoToMeeting software and user ID, headset and microphone.**

## **INSTRUCTORS:**

The following is a list of the outstanding presenters who instruct the online courses and will guide you to a better understanding of your instrumentation:



**Linda Walker, MHR, LPC, BCIA-EEG**

Linda Walker holds a master's degree in Human Relations and Counseling from the University of Oklahoma and post graduate certificates in substance abuse and school counseling from Western Michigan University. She is licensed as a professional counselor in Oklahoma and Michigan, and as a school counselor in Michigan. She has worked with troubled youth and their families for over 12 years, most notably at Nokomis Challenge Center, a state training school for juvenile offenders in Michigan. At Nokomis, Linda has been dedicated to developing and implementing the agency's neurofeedback program. She also specializes in EMDR and substance use issues, serves as an instructor in the experiential wilderness therapy program and acts as a treatment group leader. Linda is certified in EEG biofeedback from the Biofeedback Certification Institute of America.

**Elizabeth Tegan, M.S., R.N., C.S.** Elizabeth Tegan is a Clinical Nurse Specialist in private practice. She is a psychotherapist and uses neurofeedback and peripheral biofeedback as a part of a holistic approach to mental health issues. She has used neurofeedback extensively for 5 years and is pursuing BCIA-EEG certification. The population she works with are primarily adults with mood disorders, anxiety, stress related physical problems and trauma survivors.

**Jon Bale** Jon is a McGill University Graduate in Biology and an Honours student from Marianopolis College. Jon is the Research Manager for the Biofeedback Foundation of Europe. He is in charge of Limited Edition Infiniti software for International Research & Education project teams and the standardization of software manuals. He is the recipient of the BFE annual "Golden Disk" award for online instruction.

**Brendan Parsons** Brendan has recently completed his B.A in Specialization Psychology at Concordia University and works as the Training Manager for the Biofeedback Foundation of Europe. He is pursuing BCIA – EEG Biofeedback certification and is also working at the PsychoNeuro Institute in Laval using Thought Technology equipment for neurofeedback with a variety of children, adolescents, and adults on different applications.

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## **FOR MORE INFORMATION OR TO REGISTER VIA TELEPHONE:**

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**CANCELLATION POLICY:** Cancellations must be received in writing if requested **prior to 1 week before the course 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.