

BioGraph Infiniti EEG Online Course

is designed for beginner users of Infiniti systems with 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 EEG neurofeedback technology. This course will be focusing on EEG signal. 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 6-hours of instruction given over the internet. The six hours are divided into four 1.5-hour lessons given twice a week for two weeks.

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 software and 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 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.

STUDENT OUTCOMES

At the end of this 6-hour course participants :

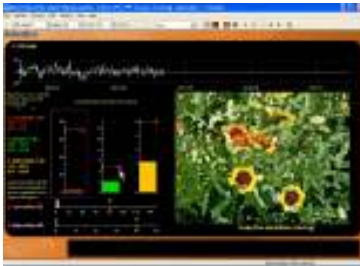
- Will have acquired a good understanding of their equipment and suite software.
- Will be able to identify and briefly describe the measurements generally used in neurofeedback.
- Can explain what a virtual data-channel is and how it is related to the raw data from the physical sensor.
- Can define what is artifact and why is artifact rejection necessary and can demonstrate when an automatic threshold is useful.

Lesson 1: Introduction to the EEG Montage



In Lesson 1, you will be briefly introduced to the EEG hardware, software and accessories, learning about optimal EEG electrode placement, parameter set up and reference points. You will learn how to open the database, replay a session, select screens, and change the variables within a session.

Lesson 2: Setting Up and Recording an EEG Session



In Lesson 2, learn how to select screens that perform various tasks from an available menu or select your own through New Session. Learn how to recognize and navigate impedance and artefact, set up statistical and threshold parameters, and review EEG recording mode features.

Lesson 3: Learn how to Replay, Review EEG Sessions; Report and Review Trends



Lesson 3 teaches you how to replay sessions choosing various screens and selecting sound feedback in which to view your recorded data as it relates to EEG. You will use animation files and adjust the settings to teach the client “state” changes. You will employ the use of “reporting” screens to eliminate artifact, review statistical data and shift through EEG sessions to find specific recorded features to show group trends or for a specific client. You can define a Script session and learn how to assemble them.

Lesson 4: Changing and Modifying EEG Screens



Lesson 4 helps you interpret and manipulate the various EEG screens learning about Coherence, instrument and channel settings, edit channel sets, adding and changing animations and sounds, and signal smoothing. Learn how to effectively utilize the various Training/Assessment screens.

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.

Geneviève Moreau Before pursuing her studies in psychology, Geneviève Moreau was an occupational therapist. She then trained in neurofeedback at the ADD Center near Toronto as part of a clinical internship with Lynda Thompson, a leader in the field of neurofeedback development in Canada. Her doctoral research seeks to document how neurofeedback can optimize one's performance during IQ evaluations, and examines the ways in which one may diminish the need for stimulants such as Ritalin when treating children with various attention deficit disorders.



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 an 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.

Brendan Parsons, M.Sc. Candidate, BCN Brendan Parsons combines a thorough knowledge of the Thought Technology Infiniti system with more than 2 years of workshop and online instruction in bio and neurofeedback for the Biofeedback Foundation of Europe. Brendan is Board Certified in Neurofeedback (BCN) by the Biofeedback Certification International Alliance (BCIA). He works for Neurodeziq, a Montreal-based clinic specializing in the treatment of children and adolescents with disorders including ADHD, Asperger's Syndrome and Autism Spectrum Disorders, learning disabilities as well as anxiety and depressive syndromes. The clinic also offers services to athletes and professionals of all ages. Brendan also works with CogniSens Athletics, another Montreal-based company that develops technology to train athletes in perceptual and informational processing, decision making, and reaction time. Brendan serves part time as a neuropsychology consultant for the Vancouver Canucks of the National Hockey League. He is currently pursuing graduate studies in neuropsychology at the University of Montreal in Canada.



David Hagedorn, Ph.D, BCIAC-EEG David Hagedorn has completed two Master of Arts degrees, one in Applied Behavior Analysis and one in Clinical Psychology, and a doctoral degree in Clinical Psychology with emphasis in health psychology. He has been involved in clinical research and practice since 1989 and has provided psychological treatment and assessment to inpatient and outpatient children, adolescents, adults, and older adults. He has directed and developed residential behavioral treatment programs, has supervised and directed behavior analytic assessment and treatment for those with developmental and learning disabilities and traumatic brain injury. He has additional experience with the more severely mentally ill in State Mental Hospitals. He has directed and developed treatment and assessment services for brain damaged adolescents and adults. His experience assessing learning and development disabilities is extensive to include the assessment of very low functioning nonverbal clients up to very high functioning college and graduate students. He has presented training seminars on behavioral management topics, on neurodegenerative conditions, and has for several years been training biofeedback methods and principles to staff, clinicians, and home-trainers. Dr. Hagedorn is licensed to practice in several states and is currently the clinical director of a anti-aging medicine practice and a neurotherapy company providing assessment and treatment services in Oklahoma and Texas.

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.