

## **Dr. Bonnstetter receives Joe Kamiya First-Person Science Award**

Dr. Ron Bonnstetter, senior vice president for research and development for Target Training International, Ltd., was honored with the 2019 Joe Kamiya First-Person Science Award during the annual conference of the International Society of Neurofeedback and Research (ISNR).

The award is in recognition of his work with frontal lobe gamma asymmetry, in particular, as this research relates to improving self-reporting assessments. His brain imaging protocols allow TTI SI to expose the brain's decision-making pathways, as people answer each assessment item. As a result, TTI SI is able to compare the brain data against the survey responses and gain access to the mental processing behind each response. While traditional statistical analysis provides information about how well any assessment item is addressing an assessment construct, brain imaging allows TTI SI to examine the mindset behind each decision, thus exposing acceptance, rejection, confusion and even when socially acceptable responses may be present. The end result is the continual improvement of TTI SI assessment tools as new insights emerge.

A published description of the research methods and some of the preliminary insights may be viewed here:

<https://research.ttisi.com/project/response-process-validation-protocol-using-neurophenomenological-gamma-asymmetry/>

This recognition is not the first for Dr. Bonnstetter. Over the years he has amassed an arsenal of recognition even before entering the field of cognitive neurology, including the first recipient of the National Senior Outstanding Science Educator of the Year Award and the only secondary science preparation program recognized in the national Search for Excellence in Science Education. In addition to this award, this current gamma asymmetry electroencephalography (EEG) research has resulted in two patents with two more patents pending. These patents may be downloaded here:

<https://research.ttisi.com/project/validation-process-for-ipsative-assessments-united-states-patent/>

<https://research.ttisi.com/project/canadian-patent/>

### Additional information

The award is named in honor of Dr. Joe Kamiya, who in 1954 received his Ph.D. in experimental psychology. Dr. Kamiya was the first to document the ability to noninvasively alter brain wave activity by using a simple reward system and is considered the father of modern neurofeedback.

ISNR is a membership organization that comprises people from many countries and various professional disciplines working on neurotherapy, neurofeedback training and neurofeedback research. ISNR supports education and excellence in the field of neurofeedback training and neurotherapy and seeks the validation and acceptance of this discipline by a broad spectrum of society. The 2019 conference was held in Denver, Colorado.

The award was presented by Dr. Estate (Tato) Sokhadze, the president of the Foundation for Neurofeedback and Neuromodulation Research. Dr. Sokhadze is an associate professor of psychiatry and behavioral sciences at the University of Louisville and a director of Evoked Potential Lab at Cognitive Neuroscience Labs. The foundation award represents contributions that further the pioneering work of First-Person Science originated by Dr. Joe Kamiya.

The award was sponsored by BrainMaster Technologies and presented by Founder and President Dr. Tom Collura. BrainMaster is built on the goal of exploring the brain and the mind using EEG (Electroencephalograph) brainwave technology and sharing that knowledge.



From left to right: Dr. Tom Collura, Dr. Ron Bonnsetter, and Dr. Estate (Tato) Sokhadze