

The Current

*Helping people regain life thru
neurotechnology*



Education & Outreach

Aligned with our mission of education and outreach, Neurotech Network has teamed up with the Cleveland FES Center, a Veterans Administration Rehabilitation Research & Development Center of Excellence. We are hosting several education sessions at targeted consumer and professional conferences. Look at where we have been this fall:

- [Assistive Technology Industry Association Conference](#) in Chicago, Illinois. Session: November 4 from 3:45pm to 4:45pm.
- [American Congress of Rehabilitation Medicine Annual Conference](#) in Atlanta, Georgia. Session: October 14 from 12:00pm to 1:30pm.
- [Independence Expo by United Spinal Association](#) in Orlando, Florida. Session is September 23 from 10:30am to 11:15am
- [Paralyzed Veterans of America's Summit 2011 & Expo](#) in Orlando, Florida. Session is September 17 from 1:30pm to 3:00pm

For each link above, you will be directed to the event landing page which includes information about the event, session details and links to view the entire presentation for the session.

Here are other upcoming events of interest in early 2012:

- [Craig Hospital 2012 Brain Injury Summit](#): Meeting of the Minds in Beaver Creek, CO from January 9-11, 2012
- [Abilities Expo Atlanta](#) in Georgia World Congress Center, Atlanta, Georgia from February 17-19, 2012

As we close the calendar for 2011, if you have any suggested events, please let us know at our [Conference Inquiry Page](#) on our website.

Technology User Highlights

The neurotechnology user community is more active than ever. With individual blogs, facebook pages and other social media, people who use neurotechnology are getting the word out about how it impacts their lives. Here are just a few highlights:

- Cindy Donald is the founder of [Dreams of Recovery](#), a non-profit organization focusing helping individuals with paralysis due to brain injury and spinal cord

injury obtain needed therapies. Cindy is an amazing women who is not only motivated for her own therapy using electrical stimulation but also to help others.

- Simon Lewis is getting the word out about his experience of recovery from a devastating automobile accident that turned his life upside down. Featured on The Atavist and written by Chris Colin, Simon's story is portrayed in "Blindsight". [Check out the trailer or download the book here.](#)
- Gerry Radano is a mental health advocate and a person living with Obsessive Compulsive Disorder. Recently, she began working with Neurofeedback. To learn more about it and how it has impacted her life please visit <http://changeyourmindnf.com/>

If you know of a neurotechnology user who would be appropriate to join our user community, please [contact us.](#)

Understanding BCI and SCI

Wondering about Brain Computer Interface? Dr. Chet Moritz, PhD, Assistant Professor in the Departments of Rehabilitation Medicine and Physiology & Biophysics at the University of Washington School of Medicine, presented about just this topic. As part of the Northwest Regional SCI Forum, Dr. Moritz's presentation was titled "Developing Neuroprosthetic Treatments for Spinal Cord Injury". Although the title doesn't convey the message, much of the presentation is about Brain Computer Interface. To view this presentation, visit the following link:

http://sci.washington.edu/info/forums/reports/research_moritz.asp

To gain an overview of Brain Computer Interface for a variety of conditions, visit our Education Fact Sheet Page titled "[Brain Computer and Machine Interfaces](#)".

Easy Way To Find Neurotechnology

Developed in conjunction with Neurotech Network, Neurotech Reports and the International Neuromodulation Society, the Neurotechnology Central Database is an easy way to find neurotechnologies. You may search by condition, category or name. It is the only centralized resource of neurotechnology and a resource that is frequently updated with rapidly advancing technology. Check it out by [clicking here.](#)

News of Interest

Below are highlights of developments in neurotechnology that are of interest to consumers, disability and medical professional communities:

- The Institute for Functional Recovery (IFR) was recently launched. This non-profit organization is a center for innovation. It is dedicated to transferring technology out of the laboratory and making them available to people for whom they are indented. Learn more about this new center by visiting their website: <http://casemed.case.edu/IFR>
- Powering Prosthetics with Thought is an article published in CNN Tech news. It features a new Modular Prosthetic Limb developed by researchers at John Hopkins University and the University of Pittsburgh. The device will be controlled by users' thought via a brain interface. [Learn more by clicking here.](#)
- Creating a new way for upper limb rehabilitation due to stroke, spinal cord

injury or other neurological conditions, the ReJoyce device is a technology allowing people access to rehabilitation in the comfort of their own homes. Developed out of the University of Alberta, read more about this new device by [clicking here](#).

- Synapse Biomedical Inc. received U.S. FDA approval of the NeuRx Diaphragm Pacing System for the treatment of people with ALS who have stimlatable diaphragms and are experiencing chronic hypoventilation. Read more about this application [here](#).
- St. Jude Medical, Inc. announced it received European CE Mark approval for the Genesis neurostimulation system for peripheral nerve stimulation of the occipital nerves for the management of the pain and disability associated with intractable chronic migraine. To read more, [click here](#).

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