


[View this email in your browser](#)
 Tweet

 Share

 Share

 Forward to Friend

January 2014 Newsletter

Greetings

We are pleased to share our first newsletter of 2014. This issue features one of our newest products; the SLF-4 power splitter which was custom designed for one of our customers, our 2014 exhibition schedule, a LabView interface for monitoring and controlling our RF amplifiers, and also some of the latest FUS industry news.

Product Watch

Driving Phased Arrays - A Power Splitter Option

E&I has designed a power splitter which allows you to separate the output of a single amplifier into multiple channels. Pictured below is the E&I SLF-4; this features four outputs that will each provide signals in-phase and of equal power levels. The SLF-4 operates over the frequency band from 10 KHz - 5 MHz and is rated for input power levels up to 1 kW.



We offer 2-way, 4-way, or custom splitters. To learn more, please reference our website, or [Contact Us](#).

LabView Interface

[LabVIEW](#) is a design control software package that allows you to integrate and control all sorts of test equipment. Many thanks to Dr. Spiros Kotopoulos BEng(Hons), PhD; Department of Physics and Technology, University of Bergen, Norway, for doing this work and kindly allowing us to offer it to our customer.

The driver is capable of reading back both forward and reflected power; calculating



Issue 20

 [LinkedIn](#)
 [Twitter](#)
 [Facebook](#)

2014 Exhibitions

Below is our trade show lineup for 2014. This year we will be exhibiting at a couple of new shows. If you will be attending any, please be sure to stop by our booth and say hello.

[AIUM](#)

March 29 - April 2, 2014
Caesar's Palace
Las Vegas, NV

[ISTU](#)

April 2 - 5, 2014
Caesar's Palace
Las Vegas, NV

[IEEE ISAF/IWATM](#)

May 12 - 15, 2014
Penn State
State College, PA

[IEEE IUS](#)

September 3 - 6, 2014
Hilton Hotel

VSWR; and displaying the reflected power limit of amplifier. Visit our website to download the driver.



[Learn More.](#)

Customer Feedback 'Magic Wonder Boxes'

We recently received the following feedback from a customer in Boston, MA in academia research. They used the [E&I HI-Z-800](#); one of our Locked-On transformers.



"We got a dramatic increase (as much as three times), of acoustic intensity at the focus after using the HI-Z-800. Furthermore, the quality of wave output improved from jagged sinusoidal to smooth sinusoidal. Using three different transducers we optimized the performance by simply changing the setting on the HI-Z-800. Why didn't I know about this product sooner?!"

E&I offers both [matching transformers](#) and [variable transformers](#), we also specialize in custom designs - for more information, please visit our [website](#).

Industry News...

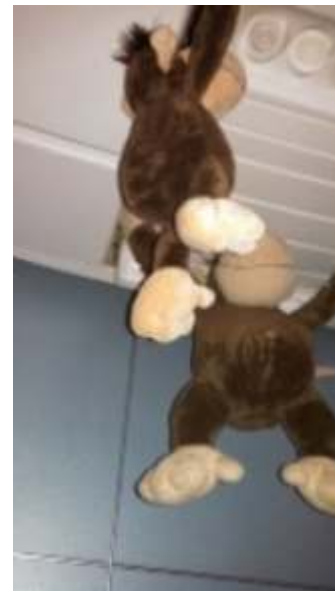
[Parkinson's Dyskinesia Study Begins](#)

The first treatment in a 20-patient pilot study assessing the feasibility, safety, and preliminary efficacy of MR-guided focused ultrasound for dyskinesia in Parkinson's disease was successfully performed in Korea.

[Quality Assurance is discussed with FDA](#)

Focused ultrasound physics pioneer Professor Gail ter Haar presented her team's work quality assurance and standardization of high intensity focused ultrasound to the U.S. FDA.

Chicago, IL



Max & Nigel are really looking forward to Las Vegas this year. Please stop by and say hello to all of us at E&I at the AIUM and ISTU Conferences.

Feedback

As always, we welcome your feedback. If there is a specific topic you would like addressed, please let us know. All questions and comments can be sent to [Jen Elkins](#).



Copyright © 2014 Electronics and Innovation, All rights reserved.
[unsubscribe from this list](#) [update subscription preferences](#)

MailChimp