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Electronics & Innovation

RF Power Amplifiers

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Issue 18

July 2013 Newsletter

Greetings

The past couple of months have kept us busy here at E&I. In April we attended the UIA Symposium, in Orlando, Florida. Then in May, we traveled all the way to Shanghai, China for the ISTU Symposium. Both shows saw great attendance and a promising outlook with respect to the industry. Our next stop is Prague, Czech Republic for the IEEE-IUS show.

Day 2 at the ISTU show in Shanghai, China

IEEE-IUS 2013

We are pleased to announce E&I will be exhibiting at the upcoming IEEE International Ultrasonics Symposium, (IUS) in Prague, Czech Republic on July 21 - 25, 2013. This year

Quick Links

RF Amplifiers
Phased Array Systems
Switchable Transformers
Matching Transformers
Power Indicators

Service & Repair

Did you know..

In addition to providing service and support for all E&I products, we are also a recommended service center for the legacy ENI amplifiers. All units are serviced and repaired utilizing **original ENI schematics;** thus eliminating the risk of repair with unapproved components.

E&I offers free evaluations and quotations - if you decide not to proceed, we will return the unit to you free of charge. Contact our Service Team today to learn more.

Product News

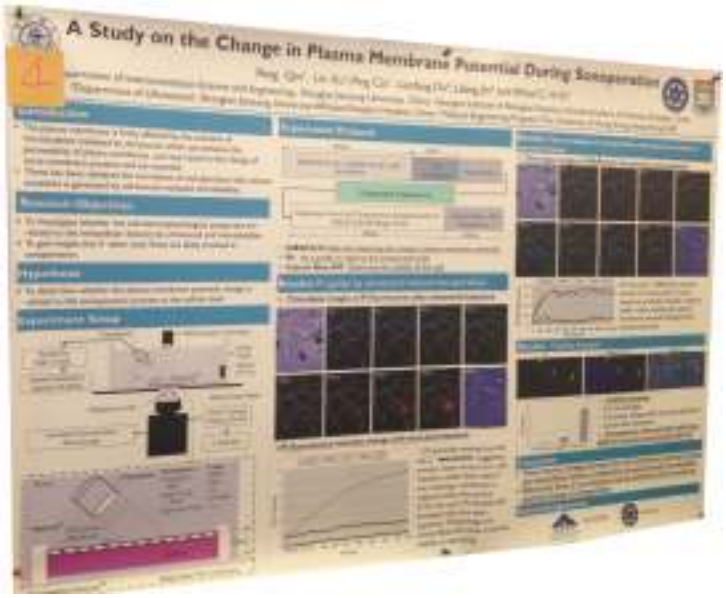
will be a unique event, as several large communities will gather in a **joint symposia** to celebrate the 60th anniversary of the IEEE, sponsored by Ultrasonics, Ferroelectrics and Frequency Control, (UFFC) Society.

We will be featuring our newest product developments, including our **Locked-On** series of switchable impedance transformers. Stop by **booth # 28** to learn about our latest advancements with RF amplifiers and impedance matching solutions. Also, this year we will be raffling off a give away item - be sure to stop by our booth for more details.

ISTU 2013 Highlights

This year's ISTU Symposium gave added emphasis to patient applications in therapeutic ultrasound - devoting an entire day to clinical presentations. The poster sessions further demonstrated this trend. And, it was great to see many of them display E&I amplifiers used in their research.

The image below was presented by Alfred Yu et al, of the the University of Hong Kong, during the poster sessions of this year's ISTU Conference, held in Shanghai, China.



An **E&I 2100L** amplifier was used by the University of Hong

Pictured below is E&I's **525LA** RF amplifier, which now features a new and improved compact design. The 525LA produces 25 Watts of linear, Class A power, over the entire frequency range of 1 MHz - 500 MHz.

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In the News...

The Frequency Spectrum: Revolutionizing Medicine
The medical electronics industry is transforming the way health providers adminster care, both through the development of new technlogy and by finding new applications for existing technology. Read more to learn of the innovative ways companies are using the frequency spectrum to advance medicine.
View Article

Trends from IMS 2013

Interested in the major trends and issues shaping the RF/microwave industry - check out the article below, from this year's International Microwave Symposium;
The 5 Biggest Industry Trends from IMS2013

Feedback

Kong, to drive the transducer, studying the change in plasma membrane potential during sonoporation. Their research suggests there may be a link between the cell membrane potential change and intracellular delivery mediated by ultrasound and microbubbles.

The E&I 2100L provides 100 Watts of Class A linear power, over the entire frequency range from 10 KHz - 12 MHz.

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As always, we welcome your feedback - please let us know if there is a particular topic you'd like addressed. All questions and comments can be sent directly to **Jen Elkins**.