



## **RECHARGE your Engineering Skills for SI Design, Test & Verification.**

Polar Instruments (Asia Pacific) Pte Ltd has partnered with Dr. Eric Bogatin, world's leading trainer for High Speed PCB Design, Signal Integrity and Testing to bring his expertise to Asia for the benefit of the PCB Design and Manufacturing industry in the region. Dr Bogatin a leading Signal Integrity Evangelist offers training on a comprehensive range of SI topics.



### **PUBLIC / IN-HOUSE CLASSES**

DPD: Differential Pair Design  
EPSI: Essential Principals of Signal Integrity  
HISP: Hacking Interconnects with S-Parameters  
HSLA: High-Speed Serial Link Analysis  
PDN: Power Distribution Network Design  
SPSI: S-Parameters for SI Applications  
TVD: Transparent Via Design

**beTheSignal.com** online content is now available at **printedcircuituniversity.com**

### **DESIGN EXCELLENCE CERTIFICATE COURSES**

EPSI : Essential Principals of Signal Integrity  
ASID: Advanced Signal Integrity Design

### **CORPORATE / INDIVIDUAL – ANNUAL or QUARTERLY SUBSCRIPTIONS**

Get access to a wealth of information related to SI design & test by [www.printedcircuituniversity.com](http://www.printedcircuituniversity.com). Subscription to Online Lectures , Hands on Labs, Videos / Webinars, Practical Rule of Thumb, Application Notes, SI Articles / Insights and much more.

[www.printedcircuituniversity.com](http://www.printedcircuituniversity.com) is a comprehensive portal for online lectures, courses, videos & white papers for electronic design

For more details visit: [www.bethesignal.com](http://www.bethesignal.com) and [www.polarinstruments.asia](http://www.polarinstruments.asia)

Email : [training@polarinstruments.asia](mailto:training@polarinstruments.asia) or Call : +65 6873 7470



**We are bringing the Expert to your Doorstep.**

## **Profile of Dr. Eric Bogatin**

### **President, Bogatin Enterprises, LLC**



Dr. Eric Bogatin received his BS degree in physics from MIT, and MS and PhD degrees in physics from the University of Arizona in Tucson . He has held senior engineering and management positions at Bell Labs, Raychem, Sun Microsystems, Ansoft, and Interconnect Devices. Eric has written five books on signal integrity and interconnect design and over 300 papers. He has taught over 4,000 engineers in the last 25 years. His sixth book is a science fiction novel, Shadow Engineer, available on **Amazon.com**. Eric is currently a signal integrity evangelist with Bogatin Enterprises, which specializes in signal integrity training and education. He is a distinguished lecturer for the IEEE EMC society and lectures world wide on signal integrity topics.

Eric's website is packed with wealth of knowledge for PCB designers and engineers. For more details on in house seminars, webinars, boot camps, public classes and online certification programs visit his website [www.beTheSignal.com](http://www.beTheSignal.com).

### **Recommended by Engineers worldwide**

*This class was excellent! There was a very good balance between theoretical background and practical demos. Eric definitely knows his stuff and was able to answer the questions that came up in a very thorough and yet simple manner. I highly recommend this class to anyone trying to learn the ins and outs of TDR and/or VNA measurements. **Scott Meninger***

*I was very pleased with the presentation and course content. The flow of the content was continuous, and had very little gaps or overlap - each section of the course set a good foundation for the next sequence. Relevance was placed on usage models and real life expectations. Also the content required interaction. This method of conveying or sharing knowledge sets a standard. I was very pleased and came out with new ideas and questions. **Jack Scott***

### **About Polar Instruments Asia Pac**

Headquartered in Singapore and with offices in Japan and China, Polar Instruments (Asia Pacific) Pte Ltd was established in 1999. Polar Asia Pac provides a range of value added services that include market research and development, product sales, marketing, and after sales support for our principals in the Asia

Pacific region. Our goal is to be TOTAL SOLUTION PROVIDER for products and technologies relevant to our markets from some of world's leading manufacturers, who offer *Simplified Solutions* that are easy and elegant to use products that enable our customers to solve complex tasks related to their work.

Contact us for more details on Dr. Eric Bogatin' programs in Asia Pacific region.

For more details visit: [www.bethesignal.com](http://www.bethesignal.com) and [www.polarinstruments.asia](http://www.polarinstruments.asia)

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