



Digilent Inc

A National Instruments Company



Who we are

**Digilent is a technology education company
with a mission to improve engineering
education**

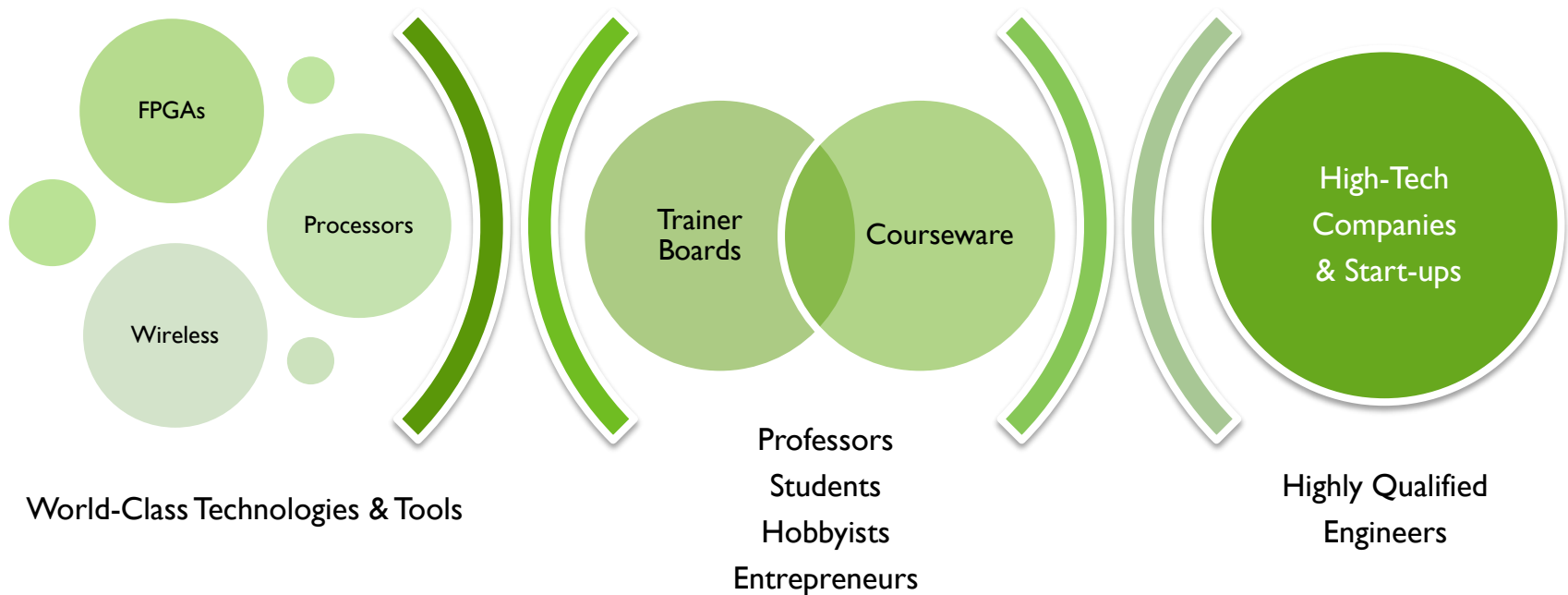
Teaching the world about electronics

Beyond Theory

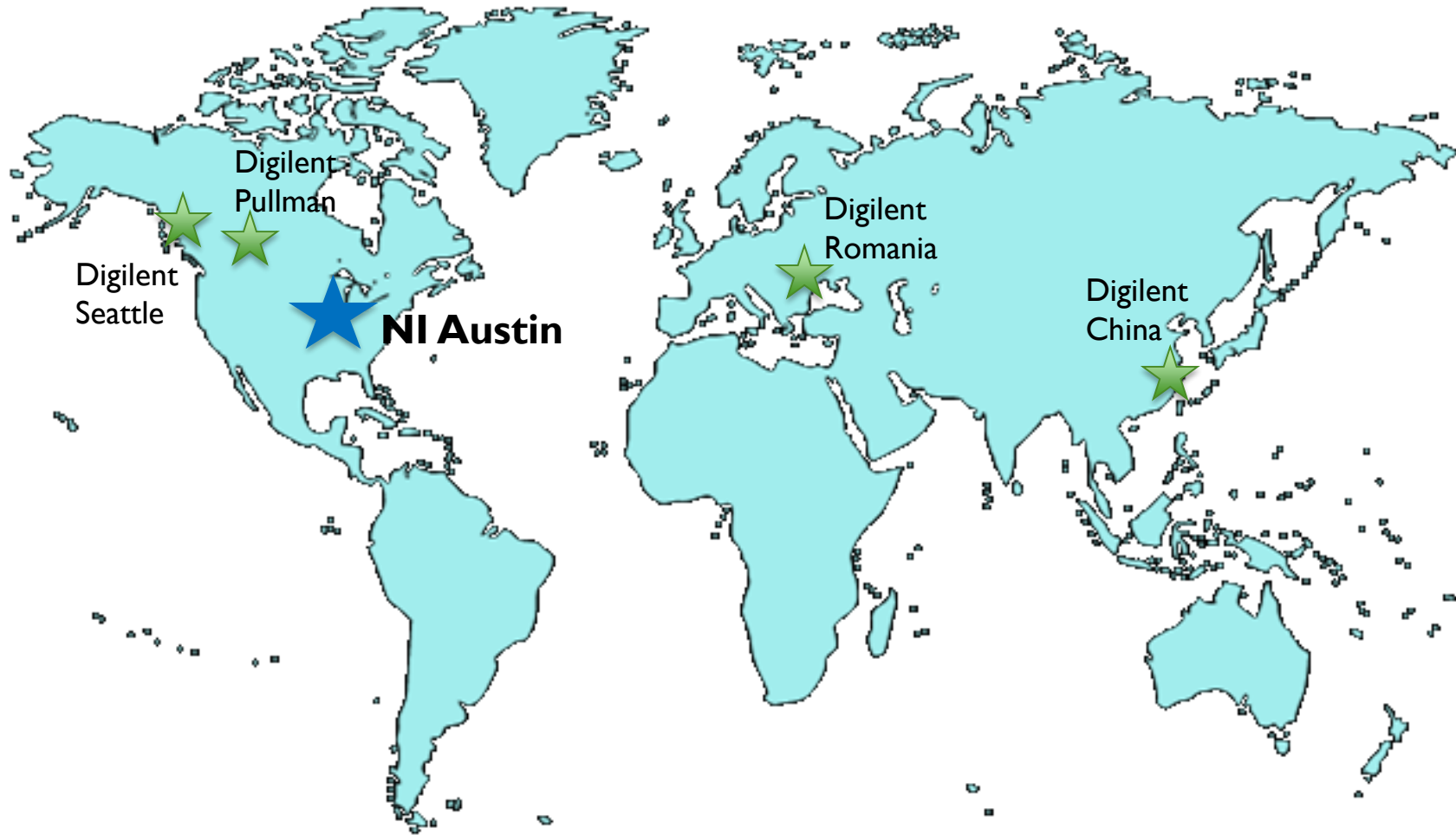
#electrical and computer engineering; #engineer; #electronics;
#robotics; #makers; #academic; #NI



We Serve Educators and “Learners”



Our Global Presence



Our team

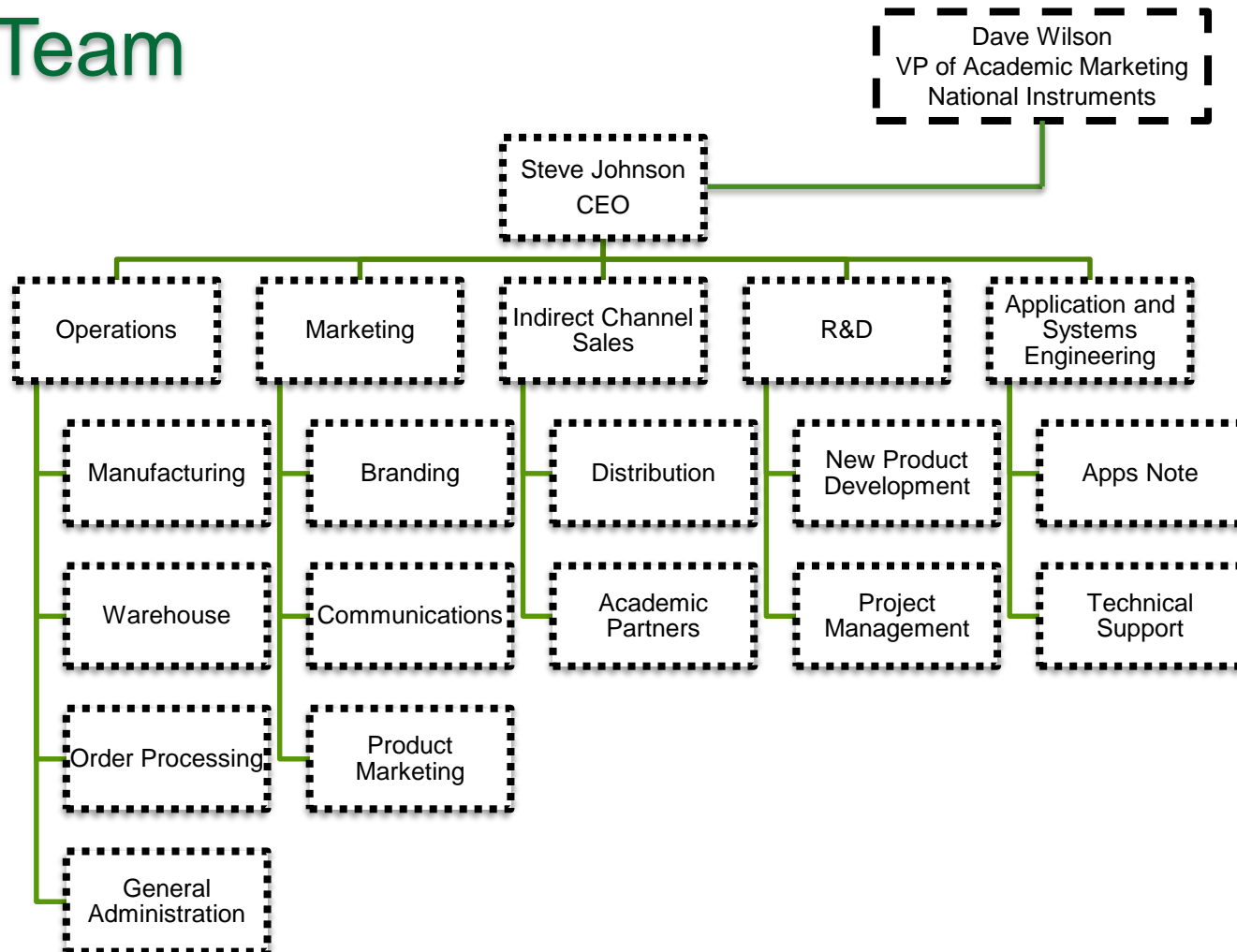
Over 70 Employees

- 60 (US)
- 14 (Romania)
- 3 (China)

Successful Intern Program



Our Team



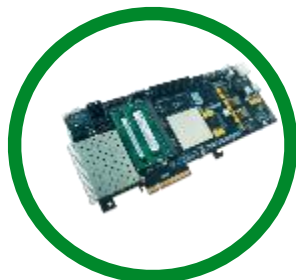
Our Solutions for Educators & Engineers

Education



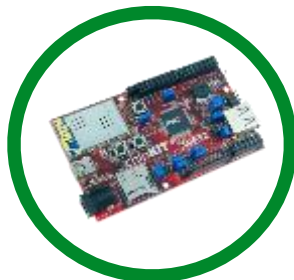
Basys,
Nexys,
ZYBO,
ZED

Research



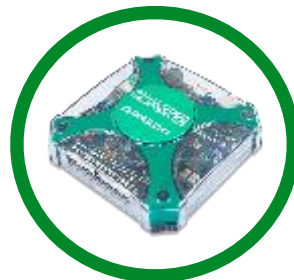
NetFPGA
Sume,
Genesys2

Maker



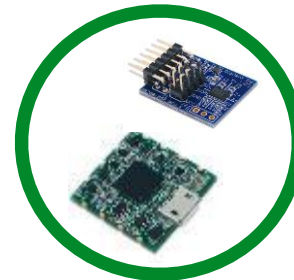
Arty, PIC
32 MCU
boards

Instrumentation



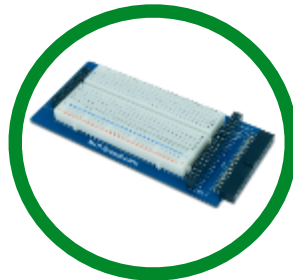
Analog
Discovery2,
Waveforms

Programmiers
and Peripherals



JTAG/
chipKIT-PGM
/ PMODs

Components

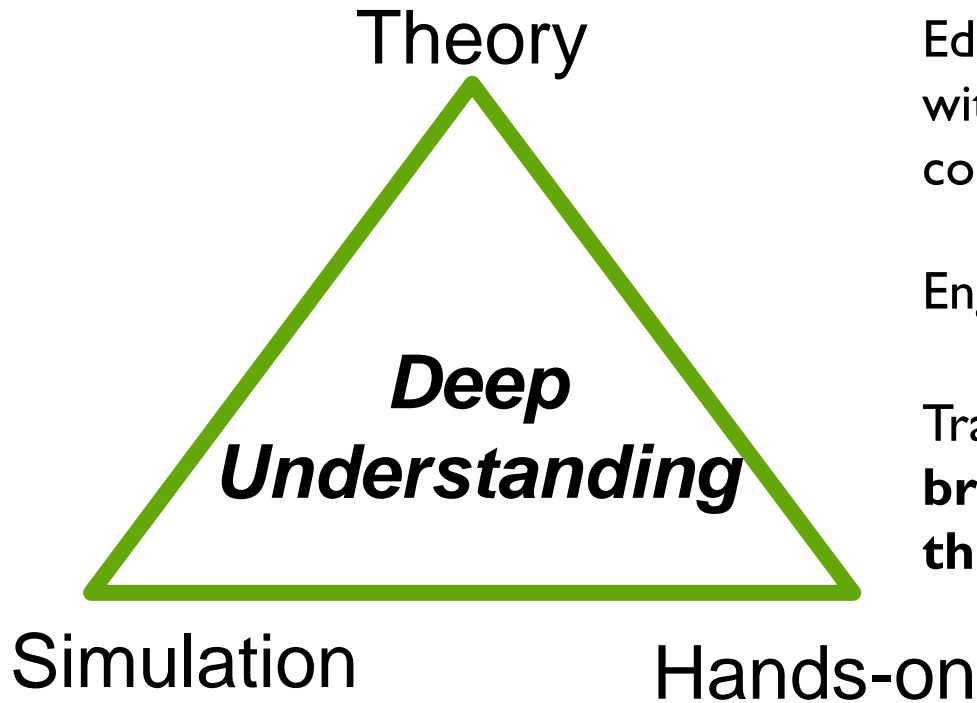


Motors,
sensors,
cables,
adapters

Courseware, Forums, Project Guides

New Engineering Education Model

“Triangulating on the Truth”*



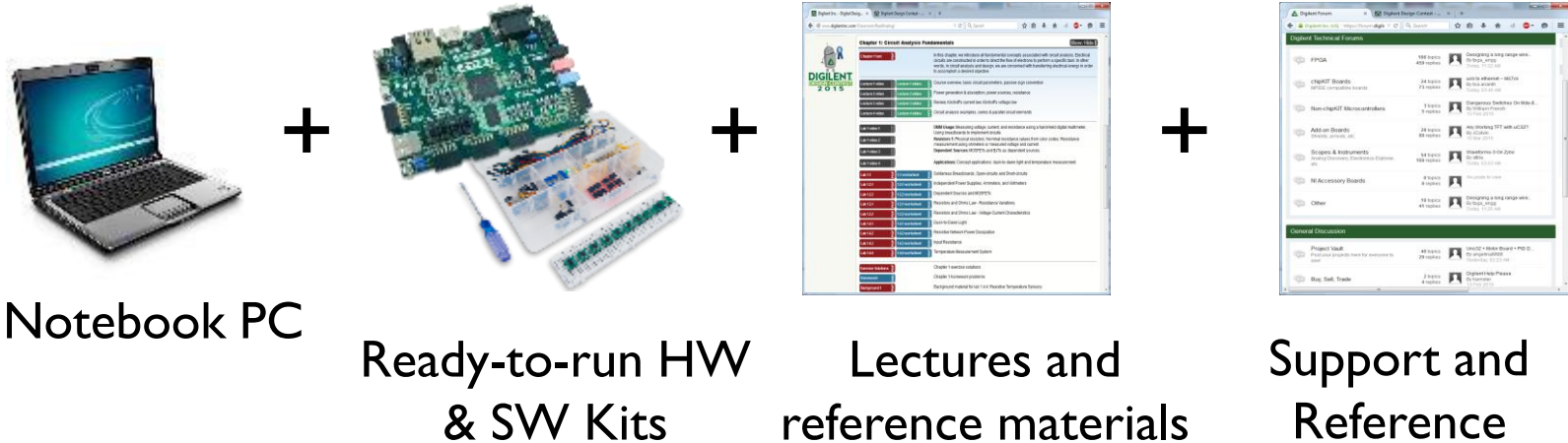
Educators **guide, encourage**, and **assist** – with less critiquing and grading and counseling

Engineering Students should own kits

Train students to be **technically capable, broadly knowledgeable, original thinkers, enthusiastic** and **self reliant**

*By Ed Doering, Rose-Hulman

New Engineering Education Model



- ✓ Real designs with every assignment – students work anytime, anywhere
- ✓ No labs space required or technicians to train
- ✓ Learn industry relevant skills on actual HW

Our Partners



Worldwide academic customers



Worldwide Industrial Customers



Digilent Community

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WaveForms 2015 designed exclusively for our Analog Design products. Now Mac and Linux compatible!

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LEARN.DIGILENTINC.COM

Projects Modules Suggestions

Free Learning Portal

Welcome to Learn.Digilentinc!

The Digilent Learn site is an open, freely accessible community resource for sharing teaching and learning materials focused on electrical and computer engineering.

The site is built around a growing collection of hands-on design projects that offer insight and design experience in key areas like analog circuit design, microprocessor programming, and digital circuit design. All of the projects are posted under the Creative Commons license, so anyone can use, modify, and repost them as desired. Each project is self-contained and designed to expose a fundamental concept in hardware or software design. Projects are used by individuals pursuing their own goals, and by universities in formal educational programs.

Browse Individual Projects

Individual projects can be selected by topic, area of interest, difficulty, etc.

Browse Modules

Modules are groupings of related projects that demonstrate a concept or lead you toward a new skill.

Classroom

Classroom contains material developed and currently in use across ECE courses.

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DIGILENT //BLOG

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Can Anyone Be a Teacher?

Digilent.com is Live!

How to Program Your chipKIT Board in the

Multiplexers, Decoders, Encoders, and Shifters

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FPGA

chipKIT Boards

Non-chipKIT Microcontrollers

Topics

The ARTY onboard JTAG not work

Base Arty Design fails to build

Nexys4 DDR Mechanicals

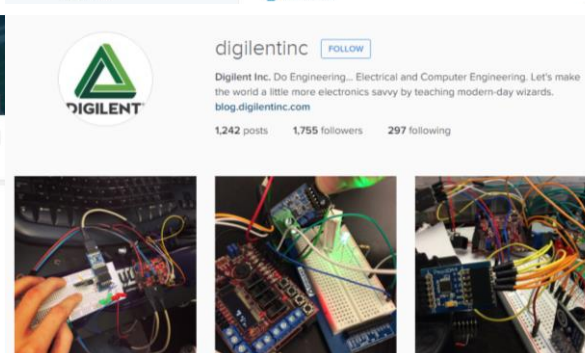
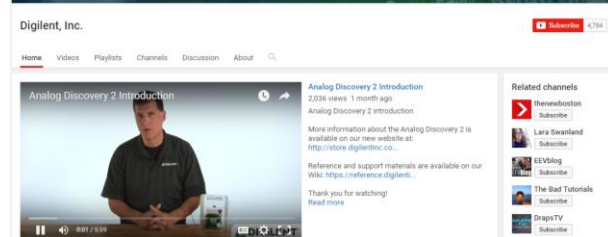
Nexys4 Video Serial Communication (DPTI / DSPI)

Multiplexer - bus size change

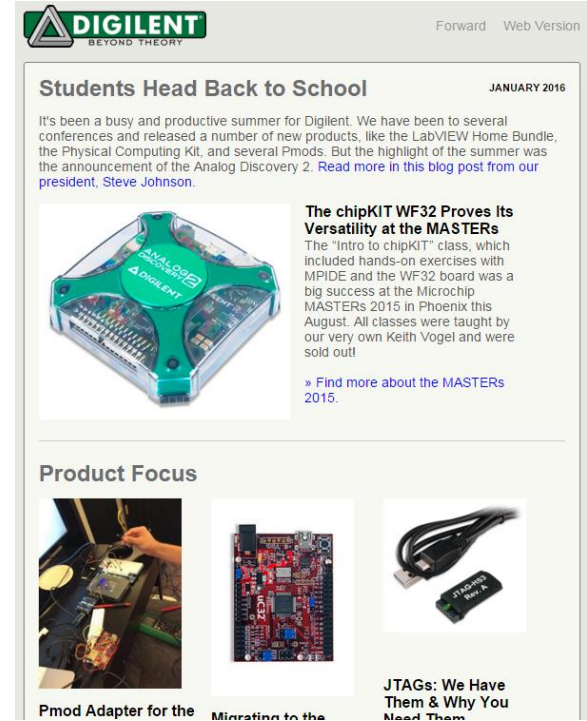
Images

$$V_L = V_{OC} * \frac{R_L}{R_L + R_{TH}}$$

Digilent Community



Digilent in Social Media



Digilent Newsletter



Digilent Involvement



ECEDHA Annual Conference



ASEE Annual Conference



FPL Conference



Xilinx Academic Day China



Embedded World



Korean Electronics Show

Digilent Involvement

Worldwide Workshops



Chile



India



France



Japan



Turkey

Global Distribution Network

