



**EDA
Technologies**

**We don't just do electronics,
we sell sleep.**

The enemy: NON-CORE activities



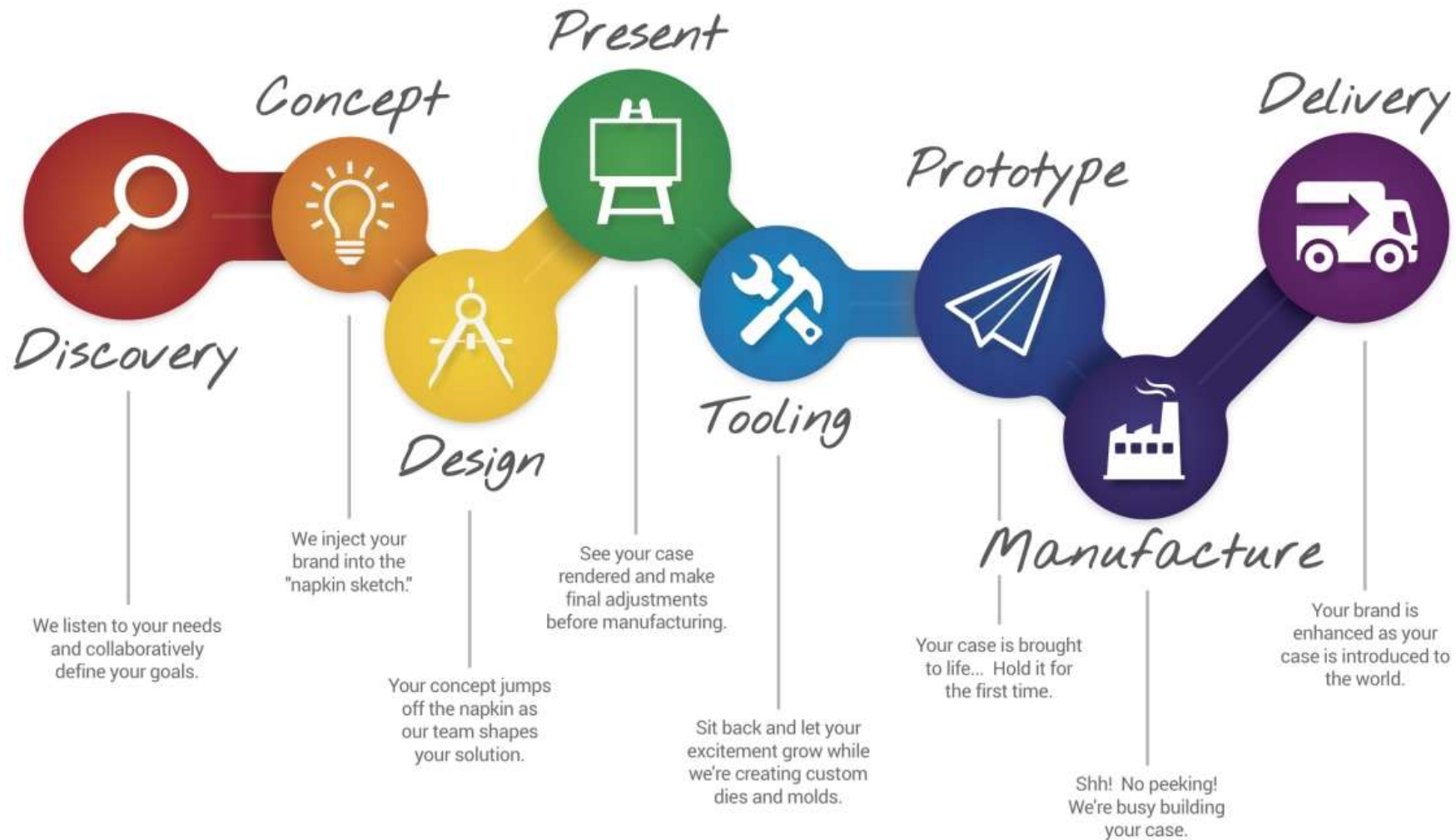
EDA TECHNOLOGIES
CONCEPT TO COMPLETE



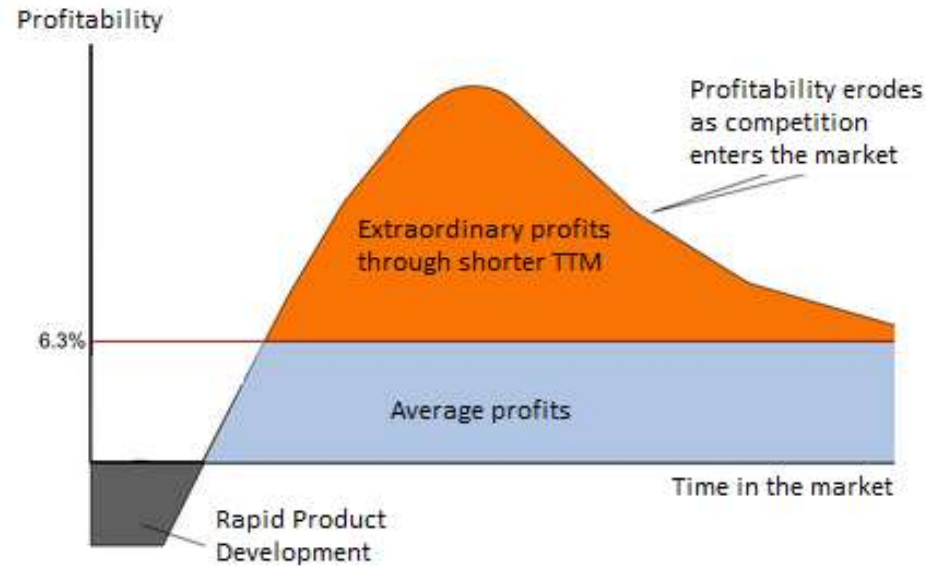
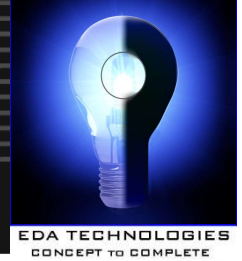
ALLOW US TO REDUCE YOUR PAIN

EDA "Concept-to-Complete"

Concept to Complete



Our Value Add



Significantly Accelerate Time-to-Market

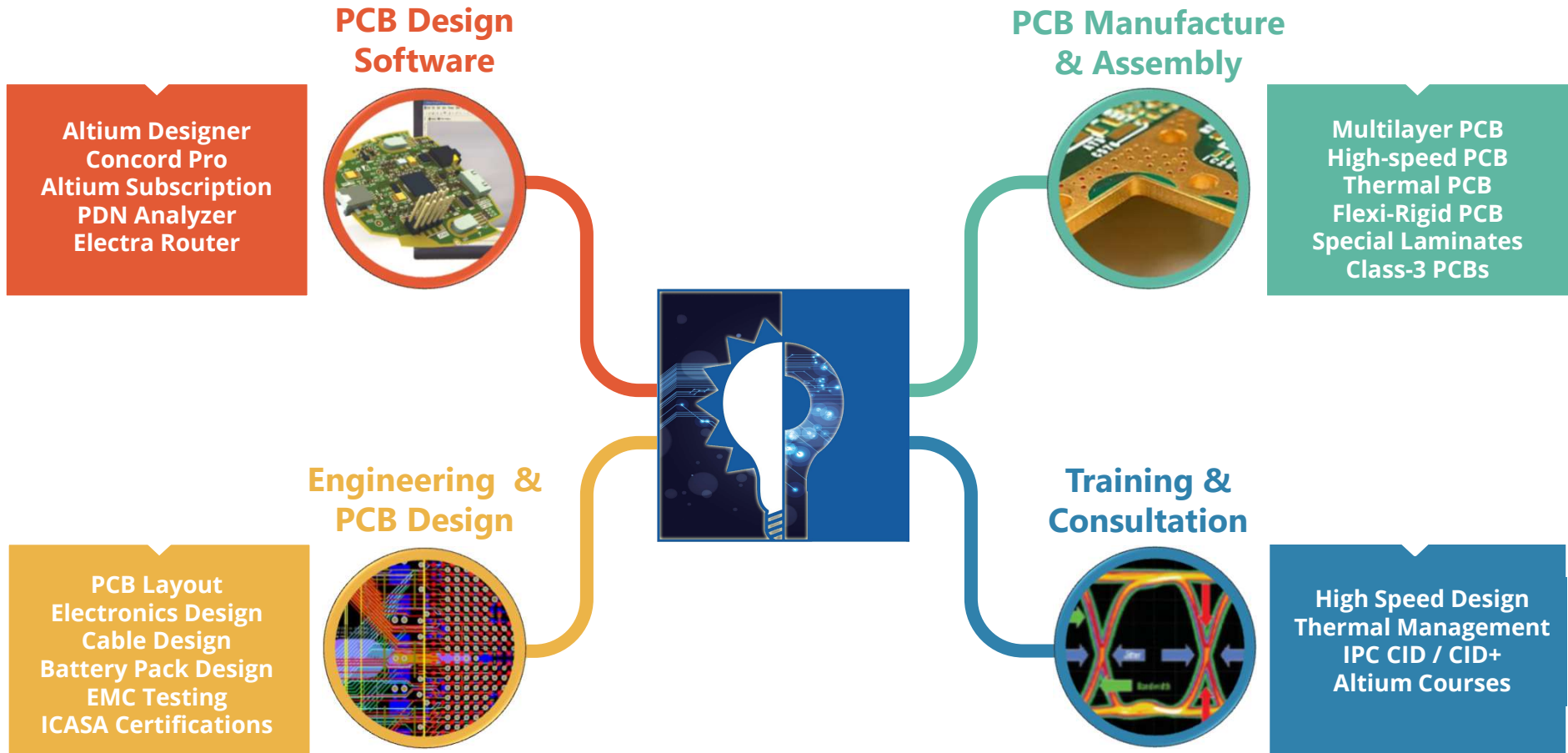
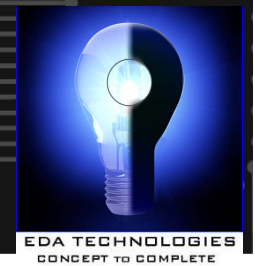
Dramatically Increase Designer Productivity

Substantially Reduce Project Development Costs

Partner in our Ecosystem for Mutual Success

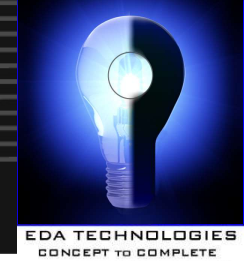
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Core Services

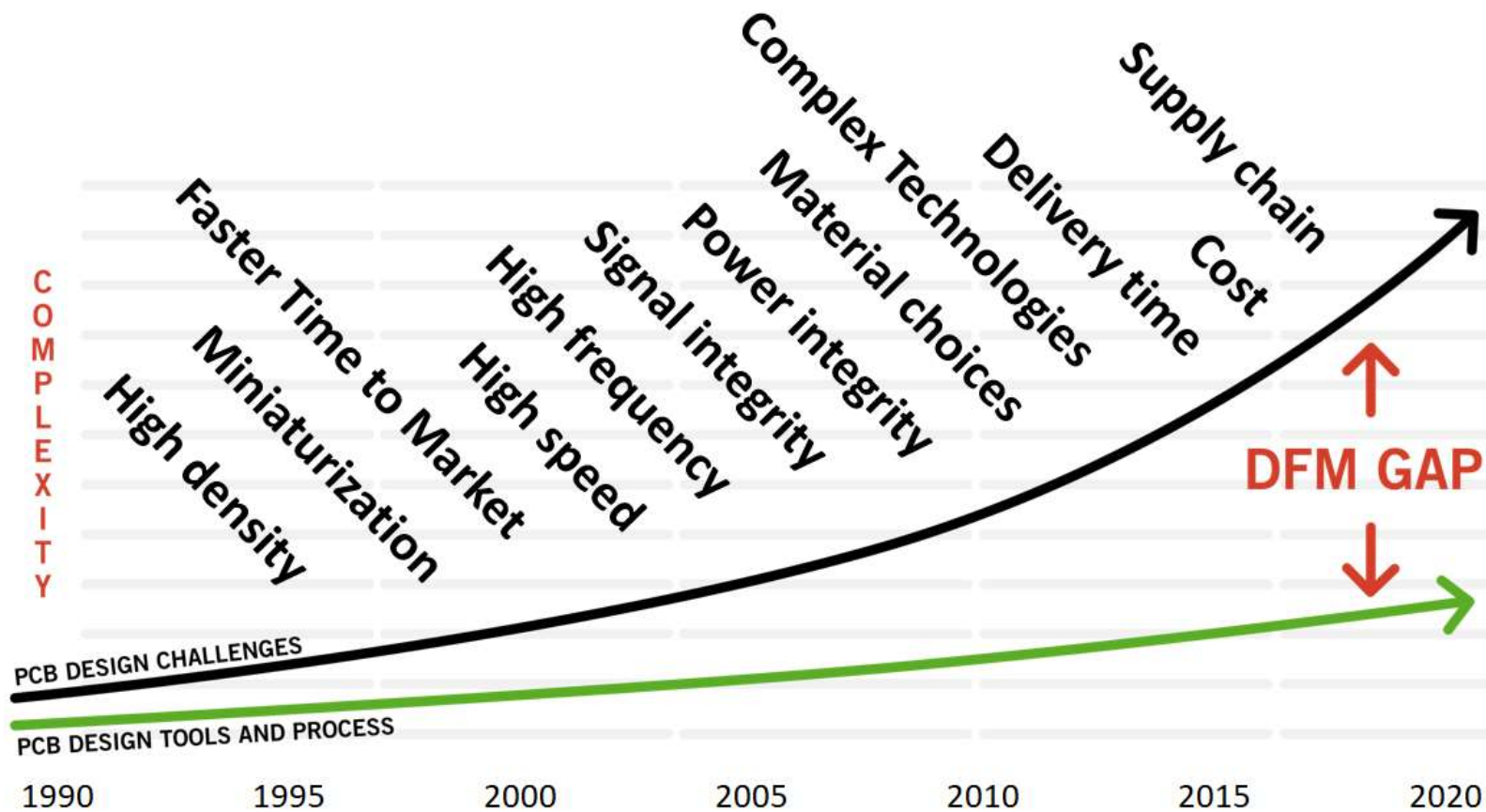


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Design for Manufacturability



Getting it right the first time is becoming increasingly harder

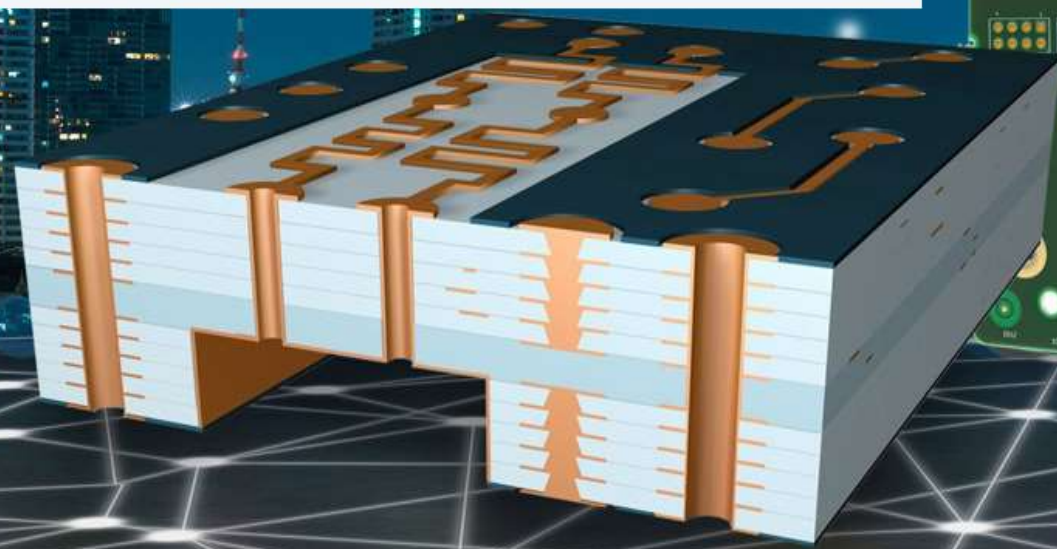


IPC CID Accredited PCB Design

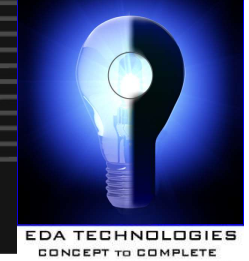


At EDA Technologies, we have vast experience in designing all types of PCBs. This includes high-speed, HDI, metal substrates, rigid-flex, RF, high power, and everything in-between.


We have implemented technologies such as buried capacitance, copper coins, impedance control, multi-level blind/buried vias, via-in-pad, and other leading technologies on PCBs.



PCB Design Competence




- HDI
- Impedance Control
- Backdrilling
- Low-loss Materials
- Buried Capacitance
- Ceramic Substrates
- Copper-Coin
- PDN Design
- SI Simulation
- PI Simulation



PCB STACKUP DESIGN: 14-Layer PCB

Panasonic Megtron-6 Laminates and Prepregs; Impedance Controlled;
Special Construction; Blind & Buried Vias; Microvias

Special Design for:



LAYER	Layer Function	PCB Buildup		PCB Thickness	Er Value	Trace Width	Width / Gap	Drill Stack				LAYER
		Material	Copper Spec	mm	Dk	50-Ohm Single-ended Impedance	100-Ohm Differential Impedance	THRU-HOLE	BLIND	BURIED 1	BURIED 2	
L1	Signal	Copper Foil	0.33 Oz +Plating	0.035		0.127	0.102 / 0.203					L1
L2	Plane	Prepreg 1080	Copper Foil	0.074	3.4	REF LAYER	REF LAYER					L2
L3	Signal	Prepreg (3313*1)	Copper Foil	0.030								L2
L3	Signal	Copper Clad	0.5 Oz	0.018		0.084	0.079 / 0.157					L3
L4	Plane	Core 3313	Copper Clad	0.100	3.7	REF LAYER	REF LAYER					L4
L4	Plane	Copper Clad	0.5 Oz	0.018								L4
L5	Signal	Prepreg (3313*1)	Copper Clad	0.018		0.084	0.079 / 0.157					L5
L5	Signal	Copper Clad	0.5 Oz	0.018								L5
L6	Plane	Core 3313	Copper Clad	0.100	3.7	REF LAYER	REF LAYER					L6
L6	Plane	Prepreg (3313*1)	Copper Clad	0.018								L6
L7	Plane	Copper Foil	0.50 Oz +Plating	0.089	3.7							L7
L7	Plane	Prepreg (3313*1)	Copper Foil	0.030								L7
L8	Plane	Copper Foil	0.50 Oz +Plating	0.070	3.7							L8
L8	Plane	Prepreg (3313*1)	Copper Foil	0.030								L8
L9	Plane	Prepreg (3313*1)	Copper Clad	0.089	3.7	REF LAYER	REF LAYER					L9
L9	Plane	Copper Clad	0.5 Oz	0.018								L9

Best in Class PCB Manufacturing



Your **Key**
Component™



The world's biggest PCB supplier,
at your service.

www.ncabgroup.com

EDA "Concept-to-Complete"

Knowledge is Power



EDA has trained over 1000 design professionals since 1997.

We see that as our contribution to advancing the local electronics industry.



IS YOUR ELECTRONICS BECOMING TOO HOT TO HANDLE?

For the first time in SA, internationally acclaimed expert Dr. Jeff Punch will be presenting a 2-day workshop on **Thermal Management of Electronic Systems**

The objective of this course is to provide designers of electronic hardware with an understanding of the principles and practice of thermal management.

DON'T BURN YOUR CHANCES, contact EDA TECHNOLOGIES:

seminar@edatech.co.za
(012) 665-0375
www.edatech.co.za

Gauteng 24-25 July 2014
KZN 28-29 July 2014
Cape 31 July-1 Aug 2014



EDA TECHNOLOGIES

proudly presents for the third time in South Africa

UPDATED



HIGH SPEED DESIGN SEMINAR WITH LEE RITCHEY

Faced with "real-world" high-speed electronics challenges?

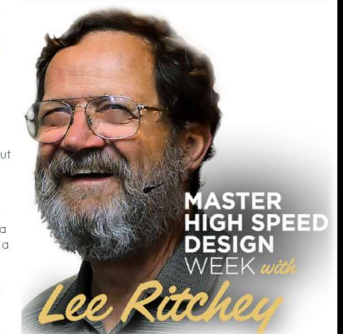
Looking for "hard facts" proven solutions rather than filtering through the internet and textbook theories?

Founder and president of Speeding Edge, Lee Ritchey is considered to be one of the industry's premier authorities on high-speed PCB and system design.

Industry professionals have long said about Lee, "I think he knows more about the subject than any human being ought to know."

Lee Ritchey is the editor of "Right the First Time, A Practical Handbook for High Speed PCB and System Design." In this series of handbooks, Volume 1 addresses the fundamentals of high-speed design, and Volume 2 provides a detailed explanation of the steps involved in designing and manufacturing a printed circuit board that works right the first time.

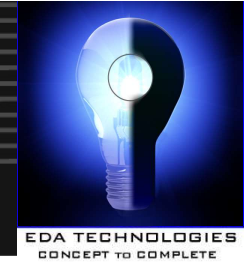
Lee Ritchey has participated in the design of more than 1,000 high speed PCBs ranging from PC mother boards to terabit router backplanes. He is currently involved in the design of several super computer class products and servers of all kinds. This course draws substantially from decades of Lee Ritchey's hands-on experience.



What others had to say...

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Online LIVE Training



TracksandGaps.com
is a **LIVE** online training platform for electronics engineers

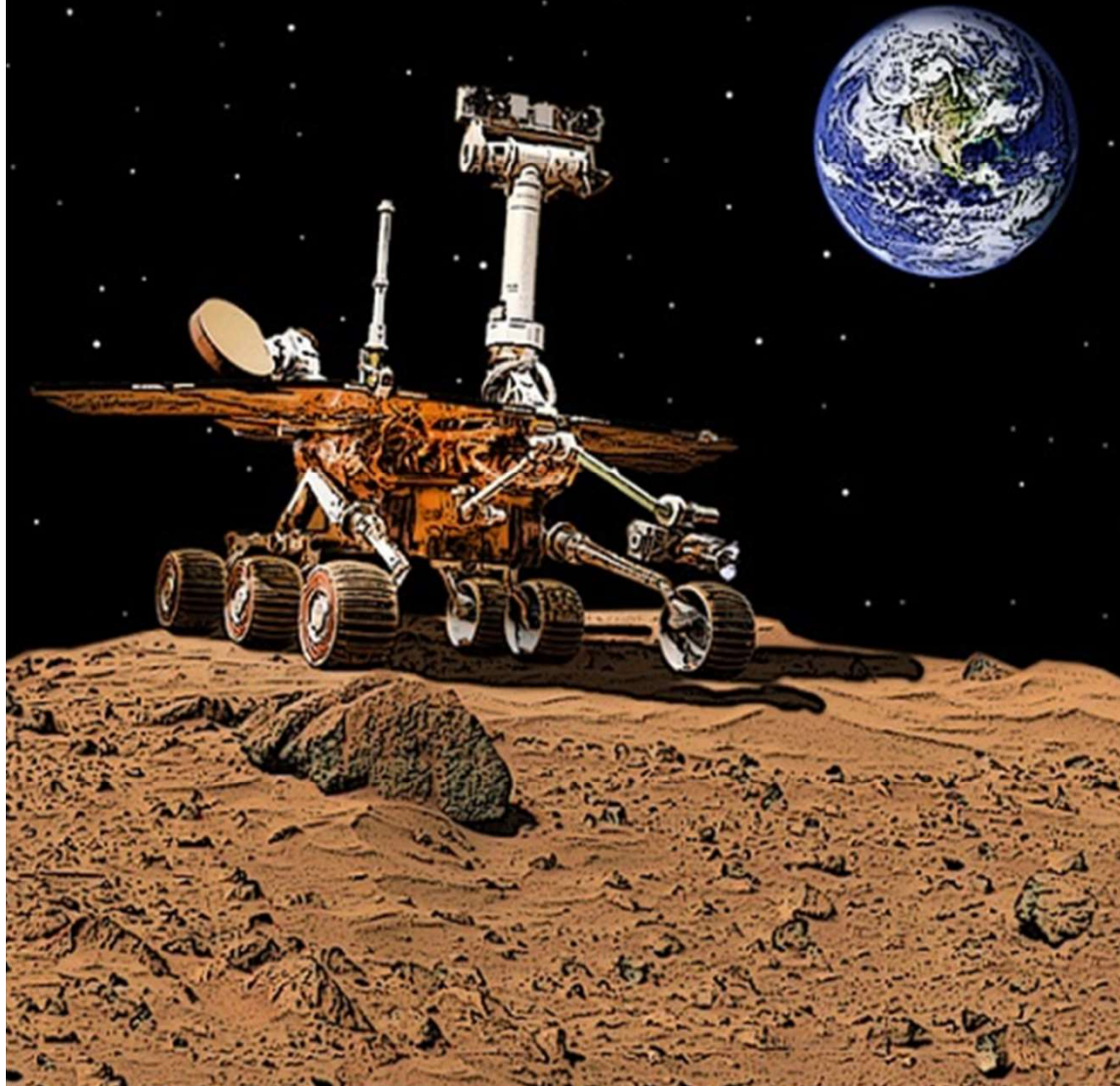
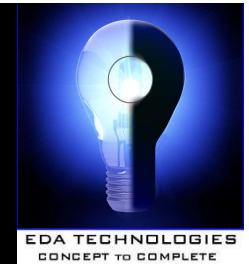
The screenshot shows the TracksandGaps.com website interface. The header includes the logo and navigation links: HOME, COURSES, INSTRUCTORS, FAQ, MY ACCOUNT, and a search icon. Below the header, four course cards are displayed:

- Altium Designer Advanced**: Price \$450.00, dated 7-11 Feb 2022, by Altium Experts.
- Differential Signaling**: Price \$99.00, by Lee Ritchey.
- Types of Transmission Lines**: Price \$99.00, by Lee Ritchey.
- Crosstalk**: Price \$99.00, by Lee Ritchey.

Instead of filtering through the internet and watching pre-recorded classes,
Get the facts from the legends themselves, LIVE.

EDA "Concept-to-Complete"

Class-leading Software



ALTIUM DESIGNER

Professional PCB Design

The PCB is at the center of any electronic product. Literally, the enclosure surrounds the board, and figuratively, all the mathematics, the science, the software, these all run on the board. That's why the PCB is at the center of our tools, and our company. Your focus is the PCB, and so is ours.

Altium
Designer

Next Generation Electronics Design

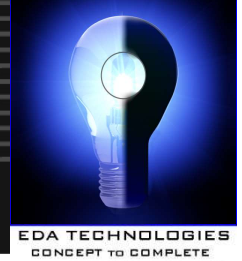
**BRING YOUR IDEAS TO LIFE
WITH EASE**

Altium Designer, native **3D** PCB design

[LEARN MORE](#)

The complex block features the Altium Designer logo in white and yellow. Below it is a 3D rendering of a green PCB with various components and a yellow 3D model of a PCB enclosure. The text 'Next Generation Electronics Design' is positioned to the right of the logo. At the bottom, there is a call to action 'BRING YOUR IDEAS TO LIFE WITH EASE' and a link 'LEARN MORE' in a yellow box.

Desktop EMC / RF Scanning



EMI/EMC PRE-SCREENING & RF ANTENNA MEASUREMENTS

EDA Technologies is in a unique position to provide benchtop testing and pre-certifications for magnetic very-near-field measurement, for both Printed Circuit Board Engineers and Antenna Engineers.

Using world-class patented equipment from EMSCAN, we are able to drastically shorten your time-to-market by pre-screening possible EMC/EMI issues within seconds or minutes. Results accurately pinpoint problematic parts of the circuitry, enabling quick diagnostics and design fixes long before final certification is performed.



EMxpert
Real-time EMC and EMI testing tool



RFxpert
Real-time antenna measurement

EDA "Concept-to-Complete"

Celebrating 24 years of industry service
1997-2021



EDA Technologies

We don't just do electronics, we sell sleep.

www.edatech.co.za