

REVEALING SEMINAR – WHAT'S NOT COVERED IN SCHOOL, BUT WHAT EVERY PCB DESIGNER SHOULD KNOW – TO BE OFFERED BY CA DESIGN AT THE PCB WEST 2009 CONFERENCE

Utilizing a practical, real-life approach, PCB Design expert Robert Chandler of CA Design is offering an insightful PCB Design seminar focusing on both the principles of design and documentation at the PCB West 2009 Conference. Eight areas of PCB Design – not typically taught to engineers but that every PCB Designer should know – will be covered.

San Jose, CA (August 25, 2009) – CA Design announces that founder Robert Chandler, a twenty-plus year PCB Design veteran, will be giving a seminar for engineers interested, but not experienced, in PCB Design at the PCB West 2009 Conference and Exhibition to be held at the Marriott Santa Clara in California, September 14-18, 2009.

The seminar, which will be given on September 16th from 1:30-5pm, is entitled, "Basic PCB Layout for Engineers" and is intended for engineers who are new to the world of PCB Design. Robert Chandler, who – when he's not teaching PCB Layout courses – actually designs printed circuit boards of all sizes and complexities, teaches from a viable standpoint – not just theoretically like many PCB Layout instructors.

Mr. Chandler will educate attendees on what every PCB Designer should know but what few engineers learned during their formal engineering education, utilizing practical information and real-world examples. Engineers will not only learn the rules of thumb for PCB Design basics, but the reasons behind them as well.

Basic PCB Layout areas to be covered in the seminar include:

- Libraries: What goes into making a part and how to choose the size of the pads, solder mask and solder paste.
- Placement: How to choose which part to place when, and what the most effective way to place parts is.
- Design rules: What constraints are and how to set them up.
- Net names: Why use net names, and what makes a good net name.
- Power planes, plane layers and fill areas: When and how to use them.
- Grounds: How to get a single point ground, and how to split Agnd and Dgnd.
- Routing: How to route a board, what good standard practices are for routing, plus how and when to use the autorouter.
- Documentation: What required documentation comprises of, and what the fabrication and assembly houses need to build a board.

Seminar space is filling quickly. To register for the PCB West 2009 Conference and Robert Chandler's seminar, "Basic PCB Layout for Engineers," [click here](#).

To learn more about CA Design – which has HP Worldwide as a client – and its world-class PCB Design service and training programs, please visit the company's website by clicking [here](#).

About the Speaker:

Bob Chandler received an MBA in operations management from San Jose State University and a BS in business management from San Jose State University. Chandler has been a PCB designer for more than 20 years and has been using OrCAD Capture for schematics for 20 years. He has managed designers and engineers at TRW, Lockheed, CADCOR, PCA Design, Apple Computer, CA Design and SET

Engineering. He has been a project manager, responsible for budgets and scheduling projects at TRW, PCA Design, Lockheed, Apple Computer, SET Engineering and is currently operating CA Design. CA Design is the official PCB design training (using Cadence Allegro layout software) company of HP Worldwide.

More About **CA DESIGN**:

Chandler Automated Design was founded in 1988 by Robert Chandler as a high-quality, low-cost source for Printed Circuit Board design, fabrication and assembly, training, and project management. CA Design produces premium designs for digital boards, small analog boards, ECL, RF, high-speed, surface mount, chip on board, and micro-via and specializes in various software platforms including, Altium® DX Designer®, Cadence® OrCAD®, Mentor Board Station, Cadence® Allegro® PCB Editor, PADS Power PCB, Protel, PCAD, Cadstar, and Mentor Expedition. CA Design's experienced designers, personalized service, and premium designs are the reason so many customers have become repeat clients over the past twenty-plus years. CA Design stakes their reputation on the quality of their work, training, and service.

For additional information about CA Design, please contact:

Carolle Chandler
408.873.7598
carolle@cadesign.net

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