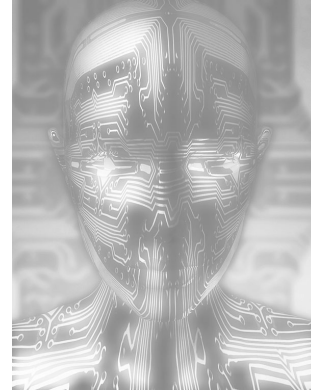


IPC Designers Council
2002 Designers Learning Symposiums
Call for Papers

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*“Double
Trouble”*



TEXAS
May 20 - 25, 2002
Ramada Plaza - Market Center

CANADA
September 30 - October 5, 2002
Sheraton Parkway - Hotel & Conf. Centre

HEADS UP Designers... It's Time to Design Your Career Path!!

The IPC Designers Council is pleased to announce the **Designers Learning Symposium – Texas** and the **Designers Learning Symposium - Canada**. Both events will concentrate on practical education and training that you can take back to the workplace and use in the "real world." These first-class technical events include full-day workshops on the hottest topics in design, technical paper presentations, general sessions, intriguing roundtable discussions, hands-on training, facility tours, a self-development forum, tabletop exhibits, an evening reception, and plenty of networking opportunities! As the economy improves so should your skills, so don't forget about the Designer Certification Workshop & Exam (CID) and the NEW Advanced Designer Certification Workshop & Exam (CID+).

Submit a brief abstract of your unpublished work detailing case histories, field data, new technologies or innovations or research and findings. Your abstract should summarize the problems and resolutions, methods used, results, and benefits to the industry. Submission dates for Abstract submittal for the Texas Symposium is ASAP and for the Canada Symposium is May 7, 2002. Only a limited number of papers will be accepted. If accepted, speakers should be prepared to give an approximate 45-minute, non-commercial, presentation with 5 to 10 minutes of questions & answers. The paper should detail all of the findings scoped in your abstract. Papers focused on a company's product will not be accepted. Final Paper Submission dates for the Texas Symposium is April 24, 2002 and for the Canada Symposium is August 19, 2002. You will receive complimentary registration to the full two-day technical conference (Tues & Wed) and a copy of the proceedings.

Please email or fax your abstract to Stephannie Caliendo at Calist@ipc.org or 847-509-9798. Remember to include your full name and full company/contact information with your abstract submittal.

For more information on the Designers Learning Symposiums visit: www.ipcdesignerscouncil.org

IPC Designers Council 2002 Designers Learning Symposiums Texas & Canada Call for Papers

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“SUGGESTED” PAPER TOPICS:

Schematic Capture

- Engineering for the Designer
- Designer’s Involvement in Schematic Generation

Library

- Development
- Management
- Land Patterns Assembly Concerns

Testing

- Future of PC Board and/or Assembly
- Testing with HDI
- Design for Bare Board Testing
- Design for Assembly Testing

Placement

- High Speed Design
- Relative to HDI
- Thermal Concerns

Documentation

- For Fabrication
- For Assembly

Routing Techniques

- Hand Routing Tips
- Auto Routing Tips
- Signal Analysis

Schematic Analysis

- Board & System Analysis
- Timing & Simulation Models

Miscellaneous

- Front End Simulation
- Impedance Controlling (Create Stack Ups for Boards)
- Metric or Not?
- Geometric Tolerancing & Dimensioning
- Fabrication Notes & Information (Pre-Science)
- Flex
- HDI
- EMI
- Power Supply Boards
- Reducing layout time
- Microvias
- Other

HOTEL INFORMATION:

<p>TEXAS May 20 - 25, 2002</p> <p>Ramada Plaza - Market Center 1055 Regal Row Dallas, Texas 75247</p> <p>IPC Room Rate: \$69 US</p> <p>Number for Reservations: 800-441-3318 or 214-634-8550</p> <p>Cut-off Date for reservations: May 10, 2002</p>	<p>CANADA September 30 - October 5, 2002</p> <p>Sheraton Parkway Toronto North Hotel & Conference Centre 600 Highway 7 East Richmond Hill, Ontario, Canada L4B 1B2</p> <p>IPC Room Rate: \$109 CAD at the Best Western Parkway Inn or \$149 CAD at the Sheraton Parkway</p> <p>Number for Reservations: 800-668-0101 or 905-881-2121</p> <p>Cut-off Date for reservations: September 9, 2002</p> <p>(As of 2/4/02, \$109 CAD is about \$68.50 USD and \$149 CAD is about \$88 USD)</p>
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I am interested in Presenting a Paper at the:

- Texas Symposium Canada Symposium Both Shows
- Attending the Designers Learning Symposium (Please send me more information when available.)
- IPC Member IPC Designers Council Member Nonmember

Required Information:

Name: _____ Title: _____

Company/Organization: _____

Address: _____ Mail Stop: _____

City/State/Zip: _____

Phone: _____ Fax: _____

E-Mail: _____

Abstract Title: _____

In my opinion, this paper/presentation best falls under which suggested topic listed above:

Please note that these are suggestions. If you have a paper outside of these topics, we greatly encourage you to submit your abstract.

**If prepared, please send in your abstract and biography with this application.
There are limited spots available. Only 12 abstracts/papers accepted per show.**

Submission Dates:

Texas

Abstract: **ASAP**

Final Paper: April 24, 2002

Canada

Abstract: May 7, 2002

Final Paper: August 19, 2002

Fax or mail this form, along with your abstract & biography to:

Stephannie Caliendo, IPC Phone: 847-790-5302
2215 Sanders Road Fax: 847-509-9798
Northbrook, IL 60062 Email: Calist@ipc.org



For more information on the Designers Learning Symposium visit: www.ipcdesignerscouncil.org