

*Welcome to the  
IPC Designers Council  
January 29<sup>th</sup> Chapter Meeting*



Go to [ipcrtp.org](http://ipcrtp.org) for more information about our chapter

**PCB Engineering Professional Association of the Carolinas**  
**PEPAC**

**January 29<sup>th</sup> Chapter Meeting**

- November 2019 – John Mitchell IPC President and CEO gives IPC Designers Council Executive Committee the order to dissolve and no longer use the words IPC Designers Council.
- November 2019 – IPC Designers Council name is changed to IPC Design where its primary focus is on development of collegiate chapters.
  - Although IPC corporate has indicated the current professional chapters are still valid without the executive leadership many chapters feel abandoned even more so than they did prior to this dissolution event.
- January – the Executive Committee formed their own organization named Printed Circuit Engineering Association (PCEA).
- January – our local Designer Council formed their own organization named PCB Engineering Professional Association of the Carolinas (PEPAC).
  - More than just a name we have a Non-Profit Federal EIN (Employer Identification Number) and formal Articles of Incorporation.
- With this and a few extra steps we can operate autonomously.
  - We can chose to affiliate with any other group (IPC/PCEA/IEEE) without concern they will dissolve the group or move to control how we operate.

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**Summary**

- IPC Corporate dissolved the IPC Designers Council Executive Committee and renamed IPC Designers Council to IPC Design then told the former Executive Committee they would do the following:
  - Contact all current chapter presidents to inform them of the changes
    - Present the new IPC Design Mission Statement
    - Present the new IPC Design Goals
    - Discuss the Collegiate Design Chapters
    - Discuss the Professional Design Chapters
    - Discuss the Design Community Leadership (DCL)
    - Discuss IPC Staff responsibility
    - Discuss IPC Regional Advisors
- We have not been contacted by IPC for anything related to this or any other IPC activities since their involvement with PCB Carolina and the STEM event.
- Their lack of involvement and other concerns with who is providing funding for the PCEA are the primary reasons why we formed PEPAC.

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- Elections
  - Suspended for January
  - Will occur later this year
  - Officers that were in place for IPC Designers Council are now the officers in PEPAC.
  - The open Secretary position which is being covered by Steve Trasatto will be filled by Marcus Johnson.
- Current Officer Slate:
  - Tony Cosentino – President
  - Randy Faucette – Vice President
  - Marcus Johnson – Secretary
  - Steve Trasatto – Treasurer
  - Lance Olive – Membership

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Thanks to **CertifiGroup** for providing today's meeting place. Today's meeting is co-sponsored by **CertifiGroup** and PEPAC.

**Guest Speaker:**



**Bill Bisenius**  
**Creepage and Clearance Measurements**

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**IPC Chapter Membership**

Lance Olive (Memberships Officer)

**Membership - How does it work now?**

Have any questions? Please feel free to contact Lance at:

[Lance@BetterBoards.com](mailto:Lance@BetterBoards.com)

919-656-9713 Cell

919-342-0810 Office

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## **Jobs**

- Send resumes to:

**Robbie Kinniburgh**  
[rkinnibu@aerotek.com](mailto:rkinnibu@aerotek.com)  
919-379-8255 phone  
[www.Aerotek.com](http://www.Aerotek.com)



Want to be on a mailing list for open positions?

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**2020 Meeting Schedule**

- **January 29<sup>th</sup> – Creepage and Clearance Measurements**
  - By CertifiGroup in Cary
- **February 4<sup>th</sup> for IEEE EMC Chapter**
  - High-Speed Signal Integrity Challenges for Next Generation Technologies
  - Dr. Bhyrav Mutnury – Dell Computers
  - NC State University 5:30pm to 8:00pm
  - <https://events.vtools.ieee.org/m/218874>
- **March – TBD**
- **May – TBD**
- **July / August – Summer Break**
- **September – TBD**
- **November 11<sup>th</sup> – PCB Carolina 2020**
  - McKimmon Center



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*PCB Carolina 2020*

[www.pcbcarolina.com](http://www.pcbcarolina.com)

- **Date: November 11<sup>th</sup>** (Wednesday)
- Location: NC State McKimmon Center  
NC State University  
1101 Gorman Street  
Raleigh, NC 27606
- **Free to all attendees**

Vendor Registration will open soon



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**Today's featured speakers: Bill Bisenius**

- **Title:**
  - **Creepage and Clearance Measurements**
- **Abstract:**
  - This presentation will teach the “how-to’s” of creepage & clearance measurements = what is creepage distance, what is clearance distance, the parameters that affect creepage & clearance the minimum creepage & clearance distance required, how to identify the creepage & clearance requirements applicable to your product and pcb's, how to measure the creepage & clearance distances in your product/design and pcb layout, and how to fix insufficient distances on finished products and boards. The adjoining presentation will show close-up pictures of some measuring tools, related specs from the standards, and some photos of pass/fail examples.  
Test equipment will be used during the demonstration and shared with the attendees - this includes a steel ruler, digital calipers, digital micrometer, creepage & clearance feeler gauges, force gauge with finger probe tip, and an optical comparator. A few example products will be "tested" during the demonstration – this includes a populated circuit board, a bare circuit board with trace pattern, and a transformer. Audience members will be given an opportunity to personally conduct sample measurements. Common causes for failure and typical methods for designing for compliance will discussed. The material presented applies to most UL, CSA, EN, & IEC standards.