



# IPC SummerCom

## Standards Development Committee Meetings

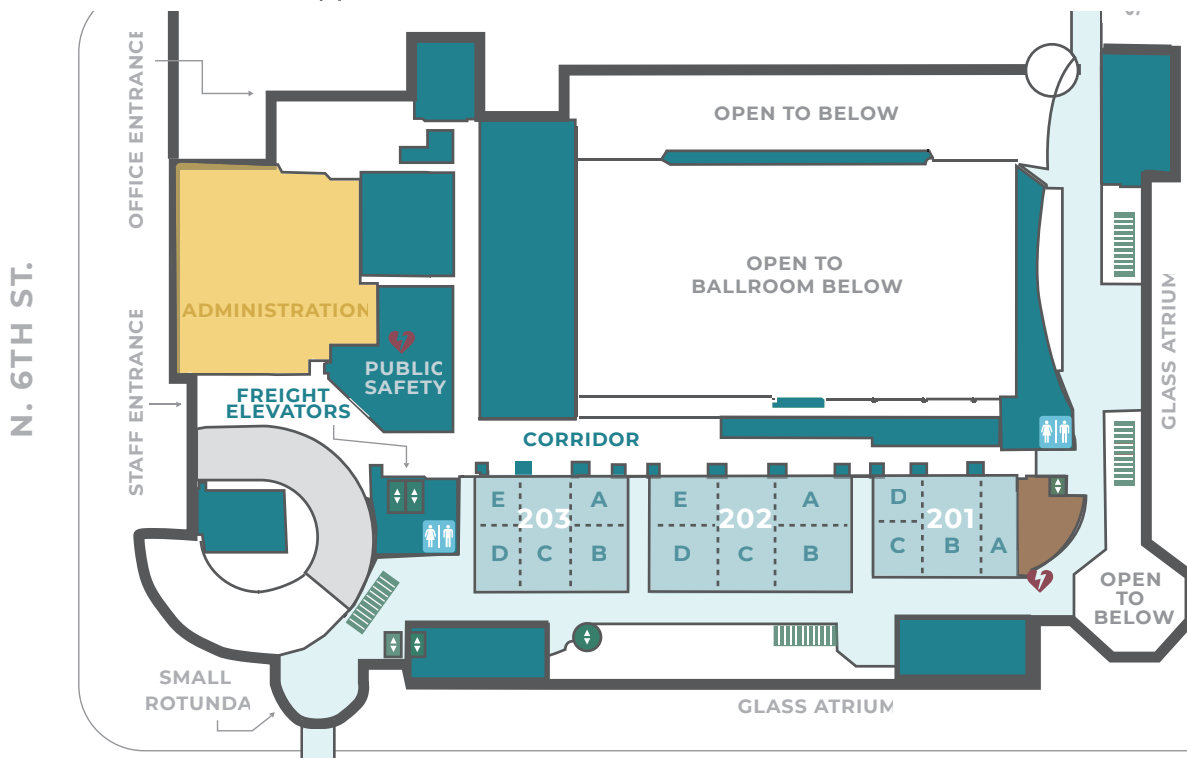
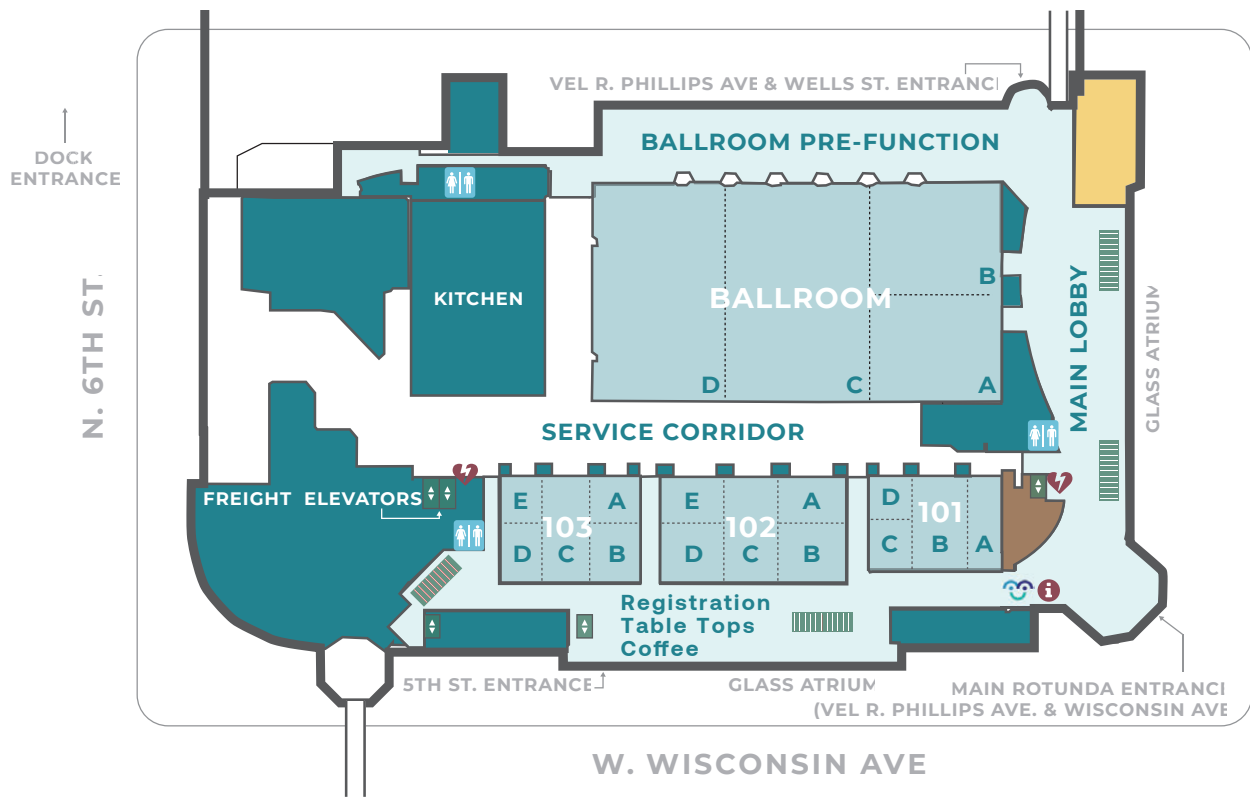
August 28–September 2, 2021  
Wisconsin Center  
Milwaukee, WI

# ON-SITE GUIDE

**Thank You to our Exhibitors and Sponsors!**

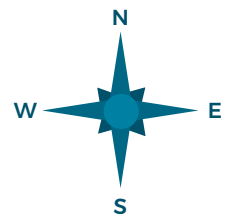


# Wisconsin Center Building Floorplan



- ROOMS
- BUSINESS CENTER
- WISCONSIN CENTER DISTRICT OFFICES

- 🚻 RESTROOMS
- 🏗️ ESCALATORS
- ⬆️ ELEVATORS
- ❤️ AED



## SUMMARY AT A GLANCE

| Event   | Code            | Time              | Chair/Moderator  | Room                   |
|---|-----------------|-------------------|--|------------------------|
| <b>SATURDAY AUGUST 28, 2021</b>                   |                 |                   |  |                        |
| J-STD-001 and IPC-A-610 Task Group                | 5-22A AND 7-31B | 8:00 am–5:00 pm   | Cochairs: Jonathon Vermillion, Ball Aerospace & Technologies Corp.; Milea Kammer, Honeywell International; Symon Franklin, Custom Interconnect Ltd; Tiberiu Baranyi, Flextronics Romania SRL | 202                    |
| <b>SUNDAY AUGUST 29, 2021</b>                     |                 |                   |  |                        |
| 5-22A AND 7-31B                                   | 5-22A AND 7-31B | 8:00 am–12:00 pm  | Cochairs: Jonathon Vermillion, Ball Aerospace & Technologies Corp.; Milea Kammer, Honeywell International; Symon Franklin, Custom Interconnect Ltd; Tiberiu Baranyi, Flextronics Romania SRL | 202                    |
| Joint IPC-6012/A-600 Task Group Meeting           | 7-31A/D-33A     | 8:00 am–12:00 pm  | Cochairs: Denise Charest; Scott Bowles, Lockheed Martin Corporation  | 102AB                  |
| CCC and TAEC (by invitation)                      | V-CCC/V-TAEC    | 1:30 pm–3:00 pm   | Chair: David Bergman, IPC; Chair: Karen McConnell, Northrop Grumman  | 202                    |
| Chairman's Reception (by invitation)              | CHAIRREC        | 3:00 pm–4:30 pm   |  | 102 Pre-function Space |
| <b>MONDAY AUGUST 30, 2021</b>                     |                 |                   |  |                        |
| 5-22A AND 7-31B                                   | 5-22A AND 7-31B | 8:00 am–5:00 pm   | Cochairs: Jonathon Vermillion, Ball Aerospace & Technologies Corp.; Milea Kammer, Honeywell International; Symon Franklin, Custom Interconnect Ltd; Tiberiu Baranyi, Flextronics Romania SRL | 202                    |
| Joint IPC-6012/A-600 Task Group                   | 7-31A/D-33A     | 8:00 am–10:00 am  | Cochairs: Denise Charest; Scott Bowles, Lockheed Martin Corporation  | 102AB                  |
| 3-11  | 3-11            | 8:00 am–12:00 pm  | Chair: Darren Hitchcock, Panasonic Industrial Devices Sales Company of America (PIDSA)   | 201AB                  |
| 7-31m Fiber Optic Cable Acceptability Task Group  | 7-31M           | 8:00 am–12:00 pm  | Chair: Robert Cooke, NASA Johnson Space Center   | 102D                   |
| 5-23B Component and Wire Solderability Task Group | 5-23B           | 8:00 am–10:00 am  | Cochairs: Ernst Eggelaar, Microtronic; Gerard O'Brien, Solderability Testing & Solutions, Inc.   | 101B                   |
| Solder Mask Task Group                            | 5-33B           | 8:00 am–10:00 am  | Chair: Fonda Wu, Raytheon Company  | 102E                   |
| 1-14 DFX Subcommittee Meeting                     | 1-14            | 10:00 am–12:00 pm | Cochairs: Dock Brown, ANSYS, Inc.; Karen McConnell, Northrop Grumman Corporation; Stephen Golemme, JITX Inc.   | 102E                   |

## SUMMARY AT A GLANCE

| Event   | Code  | Time              | Chair/Moderator   | Room        |
|---|-------|-------------------|---|-------------|
| Conformal Coating Handbook Task Group           | 5-33C | 10:15 am–12:00 pm | Cochairs: Fonda Wu, Raytheon Company; Jason Keeping, Celestica International L.P.                       | 102C        |
| 4-14 Surface Finishes Subcommittee              | 4-14  | 10:15 am–12:00 pm | Cochairs: Jose Rios, Raytheon; Ingrid Swenson, TTM Technologies, Inc.                                   | 101B        |
| IPC-PCQR2 Subcommittee                          | D-36  | 10:15 am–12:00 pm | Chair: Albert Block, Jr., National Instruments  | 102AB       |
| 5-21P SINTERING MATERIALS TASK GROUP            | 5-21P | 1:30 pm–3:00 pm   | Chair: Andy Mackie, Indium Corporation  | 102C        |
| Woven Glass Task Group                          | 3-12D | 1:30 pm–3:00 pm   | Chair: Scott Northrup, AGY  | 101B        |
| Land Pattern Subcommittee                       | 1-13  | 1:30 pm–3:00 pm   | Cochairs: Michelle Gleason, Plexus Corp.; Kristopher Moyer  | 101A        |
| Test Coupon and Artwork Generation Task Group   | 1-10C | 1:30 pm–5:00 pm   | Chair: Philip Henault, Raytheon   | 102AB       |
| SIR and Electrochemical Migration Task Group    | 5-32B | 1:30 pm–3:00 pm   | Chair: Graham Naisbitt, Gen3 Systems Limited  | 102E        |
| 3-12E Base Materials Roundtable                 | 3-12E | 3:15 pm–5:00 pm   | Cochairs: Terry M. Fischer, Showa Denko Materials (America), Inc.; David Sommervold, TCLAD Incorporated | 101B        |
| 2-17 Connected Factory Initiative Subcommittee  | 2-17  | 3:15 pm–5:00 pm   | Cochairs: Jason Spera, Aegis Software; Marc Peo, Heller Industries Inc.                                 | 102D        |
| Printed Board Storage and Handling Subcommittee | D-35  | 3:15 pm–5:00 pm   | Chair: Joseph Kane, BAE Systems   | 102C        |
| Cleaning Compatibility                          | 5-31J | 3:15 pm–5:00 pm   | Chair: Eddie Hofer, Collins Ball Aerospace  | 102E        |
| Awards Luncheon                                 |       | 12:00 pm–1:30 pm  |   | Ballroom AB |

### TUESDAY AUGUST 31, 2021

|   |        |                  |   |       |
|---|--------|------------------|---|-------|
| J-STD-001 and IPC-A-610 Automotive Addendum | 7-31BV | 8:00 am–12:00 pm | Cochairs: Gaston Hidalgo, Toyota Motor North America; Jose Servin Olivares, Continental Temic SA de CV; Udo Welzel, Robert Bosch GmbH | 101CD |
| IPC/WHMA-A-620 Task Group                   | 7-31F  | 8:00 am–5:00 pm  | Cochairs: Catherine Hanlin, Precision Manufacturing Company, Inc.; Richard Rumas, Honeywell Canada                                    | 102AB |
| 5-24g Polymerics Standard Task Group        | 5-24G  | 8:00 am–12:00 pm | Chair: Robert Cooke, NASA Johnson Space Center  | 201C  |

## SUMMARY AT A GLANCE

| Event  | Code       | Time              | Chair/Moderator   | Room  |
|--|------------|-------------------|---|-------|
| B-10A Plastic Chip Carries Cracking Task Group                     | B-10A      | 8:00 am–10:00 am  | Cochairs: Steven Martell, Nordson Sonoscan Inc.; Stephen Tisdale, Tisdale Environmental Consulting LLC                              | 201D  |
| 3-12A Metallic Foil Task Group                                     | 3-12A      | 8:00 am–10:00 am  | Chair: Erik Bergum, Founder PCB USA   | 101B  |
| Weak Interface Microvia Failures Technology Solutions Subcommittee | V-TSL-MVIA | 8:00 am–10:00 am  | Cochairs: Gerry Partida, Summit Interconnect – Anaheim; Jerry Magera, Motorola Solutions; Scott Bowles, Lockheed Martin Corporation | 203C  |
| 2-19b Trusted Supplier Task Group                                  | 2-19B      | 8:00 am–10:00 am  | Cochairs: Raminder Singh, Naval Surface Warfare Ctr; Richard Snogren, Bristlecone LLC   | 102D  |
| V-TPAC IPC Training Program Advisory Committee                     | V-TPAC     | 8:00 am–10:00 am  | Chair: Helena Pasquito, EPTAC Corporation   | 102C  |
| Low Pressure Molding Task Group                                    | 5-33G      | 8:00 am–10:00 am  | Chair: Eric Camden, Foresite, Inc.  | 101A  |
| IPC-2581 User's Group  | 2-16D      | 10:00 am–12:00 pm | Cochair: Kevin Kusiak, Lockheed Martin Corporation  | 102D  |
| 3-13 Halogen-Free Subcommittee                                     | 3-13       | 10:15 am–12:00 pm | Chair: Naji Norder, National Instruments  | 101B  |
| 5-32E CAF Task Group   | 5-32E      | 10:15 am–12:00 pm | Chair: Karl Sauter, Oracle America, Inc.  | 201AB |
| Conformal Coating Task Group                                       | 5-33A      | 10:15 am–12:00 pm | Chair: Brian Chislea, Dow Corning   | 101A  |
| Terms and Definitions Committee                                    | 2-30       | 10:15 am–12:00 pm | Cochairs: Steven Bowles, Lockheed Martin Corporation; Vicka Hammill, Honeywell Inc. Air Transport Systems                           | 203C  |
| IPC-7711 7721 Training Committee                                   | 7-34T      | 10:15 am–12:00 pm | Chair: Frank Honyotski, STI Electronics, Inc. Cochair: Nichole C. Thilges, Raytheon Missile Systems                                 | 102C  |
| 5-24A Flux Specification Task Group                                | 5-24A      | 1:30 pm–5:00 pm   |   | 101B  |
| IPC-AJ-820 Task Group  | 7-35       | 1:30 pm–5:00 pm   | Chair: Joseph Kane, BAE Systems   | 201C  |
| IPC-2221/2222 Task Group   | D-31B      | 1:30 pm–3:00 pm   | Chair: Michael Creeden, EPTAC Corporation   | 201AB |
| 5-24C Solder Alloy Task Group                                      | 5-24C      | 3:15 pm–5:00 pm   | Chair: Srinivas Chada, Raytheon Missile Systems   | 101B  |
| IPC-6012 Training Committee  | D-33AT     | 1:30 pm–3:00 pm   | Chair: Jamie Noland, Blackfox Training Institute  | 102C  |

## SUMMARY AT A GLANCE

| Event   | Code    | Time              | Chair/Moderator   | Room  |
|---|---------|-------------------|---|-------|
| SMT Attachment Reliability Task Group                     | 6-10D   | 1:30 pm–3:00 pm   | Chair: Reza Ghaffarian, Jet Propulsion Laboratory   | 201D  |
| IPC-2581 DPMX Subcommittee Meeting                        | 2-16    | 12:30pm–5:00 pm   | Cochairs: Chris Shaw, Fujitsu Network Communications; Terry Hoffman, Cisco Systems Inc.                                       | 101A  |
| Optical Inspection Aides Task Group                       | 7-31D   | 3:00 pm–5:00 pm   | Chair: Joshua Hudson, Lockheed Martin Missiles & Fire Control<br>Cochair: S.Shashika Fernando, Flintec Transducers (Pvt) Ltd. | 203C  |
| Microsection Subcommittee                                 | 7-12    | 3:15 pm–5:00 pm   | Chair: Vicka Hammill, Honeywell Inc. Air Transport Systems  | 102D  |
| IPC-A-600 Training Committee                              | 7-31AT  | 3:15 pm–5:00 pm   | Chair: Leo Lambert, EPTAC Corporation<br>Cochair: Jeffrey Duch, TandemWorks Customized Training Solutions L.L.C.              | 102C  |
| <b>WEDNESDAY SEPTEMBER 1, 2021</b>                        |         |                   |   |       |
| IPC-D-620 Task Group                                      | 7-31K   | 8:00 am–12:00 pm  | Chair: Robert Cooke, NASA Johnson Space Center  | 101CD |
| 5-24B Solder Paste Task Group                             | 5-24B   | 8:00 am–10:00 am  | Chair: Beverley Christian, HDP User Group   | 102AB |
| E-31x Combined Task Group Meeting                         | E-31X   | 9:00 am–12:00 pm  | Acting Chair: Patrick Crawford, IPC   | 101B  |
| D-15 Flex Circuits Test Methods Subcommittee              | D-15    | 8:00 am–10:00 am  | Chair: Russell Shepherd, NTS - Anaheim  | 201AB |
| D-55 Embedded Devices Process Implementation Subcommittee | D-55    | 8:00 am–10:00 am  | Chair: Rajesh Kumar, TTM Technologies   | 102E  |
| RF/Microwave Printed Board Performance Subcommittee       | D-22    | 8:00 am–10:00 am  | Chair: Lance Auer, Conductor Analysis Technologies, Inc.  | 101A  |
| IPC-A-610 Training Committee                              | 7-31BT  | 8:00 am–10:00 am  | Chair: Helena Pasquito, EPTAC Corporation<br>Cochair: Marie Parliman, BAE Systems   | 203C  |
| Reflow Oven Process Control A Team                        | 5-45-AT | 10:00 am–12:00 pm | Cochairs: Linda Woody, LWC Consulting;<br>Joseph Kane, BAE Systems  | 101A  |
| 4-14E OSP Task Group                                      | 4-14E   | 10:15 am–12:00 pm | Chair: Michael Carano, RBP Chemical Technology, Inc.  | 102C  |
| D-55a Embedded Circuitry Guideline Task Group             | D-55A   | 10:15 am–12:00 pm | Chair: Bhanu Sood, NASA Goddard Space Flight Center   | 102E  |

## SUMMARY AT A GLANCE

| Event  | Code        | Time              | Chair/Moderator  | Room  |
|--|-------------|-------------------|--|-------|
| Flexible Circuits Specifications Subcommittee                            | D-12        | 10:15 am–12:00 pm | Chair: Nick Koop, TTM Technologies   | 201AB |
| J-STD-001 Training Committee   | 5-22BT      | 10:15 am–12:00 pm | Chair: Jonathon Vermillion, Ball Ball Aerospace & Technologies Corp.<br>Cochair: Olivia Lim, Kimball Electronics | 203C  |
| 5-23A Printed Board Solderability  | 5-23A       | 1:30 pm–3:00 pm   | Cochair: Gerard O'Brien, Solderability Testing & Solutions, Inc.; Alan Preston, TTM Technologies                 | 102AB |
| IPC-A-630 Box Build Task Group   | 7-31J       | 1:30 pm–5:00 pm   | Cochairs: Eddie Hofer, Collins Ball Aerospace; Richard Rumas, Honeywell Canada                                   | 102C  |
| 5-24F Underfill Materials Task Group                                     | 5-24F       | 1:30 pm–3:00 pm   | Cochairs: Bill Vuono, Qorvo US, Inc.; Brian Toleno, Facebook   | 101A  |
| IPC-HDBK-620 Handbook Task Group   | 7-31H       | 1:30 pm–5:00 pm   | Chair: Robert Cook, NASA Johnson Space Center  | 101CD |
| 7-24 Printed Board Fabrication and Assembly Process Effects Subcommittee | 7-24        | 1:30 pm–3:00 pm   | Chair: Michael Carano, RBP Chemical Technology, Inc.   | 102E  |
| Flexible Circuits Design Subcommittee                                    | D-11        | 1:30 pm–3:00 pm   | Chair: Mark Finstad, Flexible Circuit Technologies, Inc.   | 201AB |
| IPC/WHMA-A-620 Training Committee  | 7-31FT      | 1:30 pm–3:00 pm   | Chair: Debbie Wade, Advanced Rework Technology   | 203C  |
| V-TSL Technology Solutions Committee                                     | V-TSL       | 3:15 pm–5:00 pm   | Chair: Michael Carano, RBP Chemical Technology, Inc.   | 102E  |
| D-13 Flexible Circuits Base Materials Subcommittee                       | D-13        | 3:15 pm–5:00 pm   | Chair: Richard Wessel, DuPont Electronics & Imaging  | 201AB |
| High Speed/High Frequency Design Subcommittee                            | D-21        | 3:15 pm–5:00 pm   | Chair: Scott Bowles, Lockheed Martin Corporation   | 101A  |
| MIT Meet and greet (by invitation)                                       | MIT MEETING | 3:15 pm–5:00 pm   |  | 203C  |
| <b>THURSDAY SEPTEMBER 2, 2021</b>  |             |                   |  |       |
| 7-31j Box Build  | 7-31J       | 8:00 am–12:00 pm  | Cochairs: Eddie Hofer, Collins Ball Aerospace; Richard Rumas, Honeywell Canada                                   | 102E  |