IGMA Summer Conference

JW Marriott Parq Vancouver
July 31 to August 2, 2018
SAVE THE DATE

LAUNCHED
MARCH 2018

Special Sessions

IG Fabricator Hands-On Session:
Forensic Investigations: Jim Blamble,
SIKA Corporation

Facade Tectonics Institute Symposium -
July 30, 2018
(sessions on Over-Sized Units,
Optimizing Fenestration to Meet
Increasingly Stringent Codes, Designing
Buildings for Health)

PREVENTING
IG FAILURES

ONLINE TRAINING

IG FABRICATOR WORKSHOP
Training Current and Future Generations

2 Workshops scheduled:
November 5-9, 2018
INTERTEK Plano, TX
The IGMA Board of Directors is working diligently on developing activities to support our strategic initiatives:

1. **Increase the number of online education programs:** The new Preventing IG Failures Online Seminar Program was launched March 15, 2018. Subscribers can purchase the entire program or order sessions a la carte. The sessions will be available for a one-year period.

2. **Offer the IG Fabricator Workshop in tiers.** The top tier is the full workshop, the second tier would be to view the workshop modules as videos/webinars of each session and the third would be to offer the sessions for purchase on a DVD. Two workshops have been scheduled for 2018; back-to-back workshops at the INTERTEK Plano facilities the week of November 5th.

3. **Offer more online content for the members:** All Minutes of Committee and task group meetings are now being posted to the IGMA Members Only section of www.igmaonline.org. We are developing more content including online education which will automatically default to the member pricing. Coming soon will be the feature to edit your company profile and pay invoices online.

4. **Streamline the document approval process.** The approval process has now been updated so that document can be published quicker and be available to the membership earlier.

5. **Preventing volunteer burnout.** IGMA has an excellent inventory of volunteers and we certainly could not provide the excellent services to our membership without them. For events such as the IG Fabricator Workshop, we are developing a list of interested members who would like to moderate a workstation.

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**IGMA Research Update:** All IGMA research projects are funded from IGMA membership fees.

**Advanced Fenestration Testing:** The task group is now working jointly with the IGCC (Insulating Glass Certification Council) Provisional Certification Task Group. The joint task group has reviewed data on various proposed test methods and has designed the Rapid Assessment Chamber (RAC) based on the Variable Environmental Chamber (VEC) originally developed by Intertek / Architectural Testing. The new chamber is online, and data is being collected daily.

**Development of ASTM standard for Thermal Stress in Insulating Glass Units:** The work has been completed and Bill Lingnell and Michael Bracken are drafting the first version of a new ASTM standard on thermal stress and insulating glass units. The draft will be reviewed by the E1300 Task Group at the meeting in June.

**ASTM Field Correlation:** Work is finally completed on developing the Request for Quotation (RFQ) for the pilot study of the ASTM Field Correlation Study. A list of qualified test facilities is being developed to receive the RFQ and it is anticipated that the task group will be able to make a recommendation to proceed by the 2018 Summer Conference at the J.W. Marriott Parq Vancouver this Summer.
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Emerging Technology & Innovation Committee – Helen Sanders (Technoform Glass Insulation, Chair)

Advanced Testing Fenestration Task Group, chaired by Aaron Ryan (Pella Corporation) has merged with the corresponding committee at IGCC. John Kent presented compiled data from the Rapid Assessment Chamber (RAC) and the initial results are positive. All units include the iTig device to measure RH and gas content.

Vacuum Insulating Glazing Task Group, chaired by David Cooper (Guardian Industries) is monitoring the development of the ISO standard for VIG. Once the ISO standard has been published the task group will be developing glazing guidelines for VIG and certification program guidelines.

The Material Transparency (formerly Life Cycle Assessment) Task Group, chaired by Helen Sanders has approved to participate with our 3 sister industry organizations (AAMA, GANA, WDMA) to develop two new Window PCRs; one for residential which would include a Use Phase and one for commercial products which would not.

Gas Measurement and Validation Task Group, chaired by Randi Ernst (FDR Design) reported on the current activities at ASTM. As reported in December 2016, there have been some issues with the Spark Emission Spectrometer that may be related to the desiccant. It was agreed to reconvene the Desiccant Task Group to develop a standard specification for testing desiccant. Jason Douglas (Ramapo) has agreed to chair this task group.

A new task group was formed at the 2018 Winter Conference to evaluate and validate the Sparklike Laser. This task group will be chaired by Mike Burk and anyone interested in participating are encouraged to contact the IGMA office.

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Technical Services Committee – Jeff Haberer (Trulite Glass & Aluminum Solutions, Chair)

“Voluntary Guidelines for IGU Manufacturing Tolerances”, chaired by Dan Braun (INTERTEK / ATI) has completed its work on the document which has successfully completed all levels of approval at IGMA. The document will be published this spring.

The Glazing Guidelines Task Group, chaired by Tracy Rogers (Keystone Certifications) has been working jointly with the GANA Insulating Division to develop a technical bulletin (identified as TB-1800-18) on IGU’s with Unsupported Edges. The document has successfully passed every level of approval and will be published this spring.

The joint IGMA-AAMA Edge Pressure on Insulating Glass Units, co-chaired by Helen Sanders (Technoform Glass Insulation) and Paul Bush (Vitro Architectural) will be meeting to review the two proposals that have been received to develop a test fixture to measure edge seal pressure. The task group will be finalizing the remainder of the test parameters at their next conference call.

The IG Cavity Compensation task group, chaired by Aaron Ryan (Pella Corporation). Cavity compensation methods that are included in the manual are Capillary Tubes (On-site sealing / leave open), breather tubes, valves (burping method), desiccant adsorption/desorption, pre-inflating/pre-deflating the unit, temperature manipulation at the manufacturing environment and bladders (on-site sealing). The task group is following the same template as TB-1601, Guidelines for Use of Capillary Tubes.

The Thermal Stress task group, chaired by Jeff Haberer (Trulite Glass & Aluminum Solutions) has been reconvened to consider adding a section on ceramic frits to TM-1500, Guidelines to Reduce Instances of Thermal Stress. Jeff Haberer has drafted language to address this which will be balloted to the IGMA Technical Services Committee.

The PIB Migration task group, chaired by David Cooper (Guardian Industries) has just completed its second task group ballot. All comments received were either Approve or Approve with Comment. The task group will be meeting this spring to review the ballot comments and it is anticipated that this document will be forwarded for ballot this summer.

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IGMA WINTER CONFERENCE

February 4-7, 2019 / OMNI Austin Hotel Downtown
The Sealant Adhesion to Spacer task group, chaired by Steve Marino (Vitro Architectural) has completed the test procedure. The procedure was successfully balloted to the Certification Committee and Technical Policy Committee. There are a few modifications to the text required but once complete the document will proceed to the final level of approval, balloting to the IGMA Board of Directors. Once the procedure has been approved, the companion video will be reviewed to ensure that it conforms to the procedure. The Spacer and Integrated Spacer System task group, chaired by Tracy Rogers (Keystone Certifications) will reconvene and continue work on developing performance criteria for equivalency.

The new manual, TM-4500-16, IGMA Quality Management System for the Fabrication of Insulating Glass Units (ISO 9001:2008) has been published and is available from the IGMA Publication Store. The TM-4510 task group resolved the comments received from the Certification Committee ballot and the 14 procedures have been balloted to the IGMA Technical Policy Committee. This ballot closes May 29th at which time the ballot comments will be compiled and resolved.

TM-4515, Quality Management System Work Instructions will be balloted to the IGMA Certification Committee. The Work Instruction template is available to all IGMA Supplier members to develop an instruction for their specific product. IGMA plans to develop a library of work instructions which will be available to the IGMA members. If you are a Supplier member and are interested in developing a work instruction for your product, please contact the IGMA office for a copy of the template.

The Design Considerations for Complex IGU Configurations is developing a technical manual on items to consider for units with stepped edges, units with edge deletion variations, edge notches, varying gap widths, different thicknesses, glass types, coatings, speedier glazing, exposed sealants, support systems (mullion with or without support) and shaped units. The second draft of the manual is under development. The task group is seeking additional members who have produced complex IGUs to participate in the development of the manual.
Education & Safety Committee – Bill Briese (GED Integrated Solutions, Chair)

The IG Fabricator Workshop, held the most recent workshop at the INTERTEK facilities in Plano, TX. In addition to the workstations for Frost Point, Glass Cleaning and Cutting, Gas Filling and Measurement, Desiccant and Desiccated Matrix, two additional workstations were added: Spacer / IG Fabrication and Forensic Investigations (which had 5 workstations and included real case studies of insulating glass failures). The new workstations were enthusiastically received with rave reviews and the next workshop will include more time for this.

Two new workshops have been scheduled for the week of November 5th at the INTERTEK Plano, TX facilities. The task group responsible for the workshop is also exploring avenues at how to best deliver the online sessions.

The Preventing IG Failures Education Seminar are now available online with preferred pricing for IGMA members. Subscriptions are good for a one-year period and the program can be purchased in its entirety or a la carte for specific sessions. Members can get the preferred pricing through the Members Only Section of the IGMA website.

The Leadership Development Program launched in February 2017 and the final session was held in January 2018. The feedback from the attendees has been overwhelmingly positive and Oak Moser is an excellent moderator, drawing on his industry experiences to demonstrate key principles. A session has been scheduled for the 2018 Summer Conference in Vancouver, BC.

Are there topics you are interested in? Please let us know. Member education is a priority for the IGMA Board of Directors.

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UPCOMING EVENTS

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IGMA 2018 SUMMER CONFERENCE; JULY 31-AUGUST 2, 2018 / J.W. MARRIOTT PARQ VANCOUVER, BC

GLASSBUILD AMERICA: SEPTEMBER 12-14, 2018 / LAS VEGAS, NV.

IG FABRICATOR WORKSHOP: NOVEMBER 5-9, 2018 / INTERTEK PLANO, TX.

2019 WINTER CONFERENCE: FEBRUARY 4-9, 2019 / OMNI AUSTIN HOTEL DOWNTOWN, AUSTIN, TX.

Preventing IG Failures

COMPLIMENTARY SESSIONS:
Introduction, Evaluation & Overview of Program
Product Certification to the ASTM E 2190 Standard
Handling Glass Safely

FABRICATION SESSIONS:
Glass & Glass Breakage
Glass Performance for Energy Efficient Fenestration
Glass Receiving, Cutting & Washing
Rigid Spacer & Flexible Spacer Systems
Desiccants/Desiccated Matrix
Sealants
Gas Filling

BEYOND FABRICATION SESSIONS:
Insulating Glass Unit Design
Glazing Guidelines for Commercial & Residential IGU’s
Forensic Investigations of IGU Failures

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SESSIONS CAN BE PURCHASED INDIVIDUALLY OR AS THE ENTIRE PROGRAM.

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