



## Glasstec 2014

ACSI representatives from both the USA and UK offices met for several days in Germany for Glasstec 2014. The conference and exhibits, located in Düsseldorf, were conducted October 21st - 24th. The show, which spanned 9 of the 17 Messe Dusseldorf halls, showcased the latest and greatest innovations within the glass industry. Attendance included over 1,200 exhibitors and more than 43,000 trade visitors from around the world.

Main product areas included:

- Glass production technology
- Glass processing and finishing
- Glass products and applications
- Parts, materials and equipment
- Measurement, software, and control technology
- Contracting, consulting, and engineering



As always, we were delighted to see all of our customers and vendors as well as meet new people. See everyone again September 20th – 23rd, 2016!

### Where to Apply Model Predictive Control

Many ACSI customers have experienced benefits such as energy savings, greater overall stability, increased quality & repeatability, and decreased defects after implementing ACSI's Model Predictive Control (MPC). MPC should be applied selectively to avoid high costs and ineffective use. Examples are as followed.

- **Loops that are dead time intensive**  
PID does not understand dead time, which results in oscillation. MPC understands & accounts for it when making adjustments.
- **Places where it is essential for the control system to understand the relationships between/among loops**
- **Areas where feed forward signals would increase productivity and decrease process variation**
- **Anywhere delay time, changing loop dynamics or non-linear responses make for a tough control problem**

A few of the ideal loop applications include:

- Melter Temperature
- Working End Temperature
- Forehearth Temperature
- Glass Level Control



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## ACSI Training Series

### **\*\*\*Basics of HMI Application Development, Maintenance, and Troubleshooting\*\*\***

ACSI's 3 day Basics of HMI Applications training class is intended for Plant Engineers, Maintenance Technicians, and Electricians who need to maintain, troubleshoot, backup or make modifications to an existing Wonderware® InTouch application. Trainees may bring a copy of an existing InTouch application from their facility to use during class labs. (For daily training agenda, please email [katiemarconi@acsitoledo.com](mailto:katiemarconi@acsitoledo.com).)

**Cost:** \$1,500.00 per person

**Date:** Flexible Scheduling, please contact us

### **\*\*\*Historian Maintenance & Clients" Training Class \*\*\***

This training class is designed for plant personnel who want to better understand the operation of a Wonderware Historian (aka IndustrialSQL (InSQL)) and its associated Clients (aka ActiveFactory). Class topics will also include how to monitor the server's health; how to add or edit Tag storage parameters; and how to get to the data you need using the Client tools.

This training class is organized to also accommodate persons interested in attending only the 1 day "Clients" portion of the class.

**Cost:** Historian Maintenance & Clients Training Class (2days) \$1,200 per student  
Historian Clients Training Class (1day) \$600 per student

**Phone:** (419) 843-4820 or **Email:** [katiemarconi@acsitoledo.com](mailto:katiemarconi@acsitoledo.com)

### ACSI Holiday Party

Location: Stella's Restaurant  
Perrysburg, Ohio



### ACSI Europe's Adam Harrison Gets Married



On September 9th, 2014 project engineer Adam Harrison got married on the beautiful island of Mauritius. Adam and his wife Sarah reside in Faringdon, Oxfordshire. If you see him on site be sure to congratulate him!

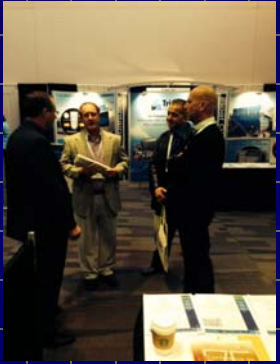
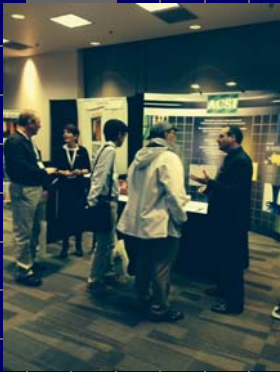
## The 75th Conference on Glass Problems

The 75th Conference on Glass Problems, which took place November 3rd - 5th, 2014 at the Greater Columbus Convention Center, was once again attended by ACSI representatives Steve Nixon, Greg Napierala, Karen Walder, Katie Marconi, and Rick Baechle. Glass Problems is one of the largest glass manufacturing conferences in North America, attracting glass manufacturers and suppliers worldwide to exchange innovations and solutions.

Throughout the 2 days, ACSI staffed a tabletop exhibit during breaks between the lectures and presentations. The camaraderie continued into the evening at our Hospitality Booth at the Hilton Columbus Downtown. As always our margaritas were a popular choice among visitors.

It was announced at this year's conference that the 76th Conference on Glass Problems will be held November 2nd—4th, 2015. All presentations and tabletop exhibits will be at the Greater Columbus Convention Center. The evening hospitality booths will be located at the Hilton Columbus Downtown.

A big thank you to all our customers - old and new - who joined us during the conference and look for us at Glass Problems next year in Columbus, Ohio at our evening Hospitality Booth (HB105) and day time Table Top (105).



## Meet ACSI Project Engineer Nick Moon

**Hometown:** Toledo, Ohio

**Education:** BS in Electrical Engineering from the University of Toledo, May, 2009

**Date Started at ACSI:** November 17, 2014

**Interests:** Fishing, boating, bowling, learning to play the guitar, science/technology, outer space/ the universe.

**Favorite Movies:** Forest Gump, Band of Brothers (HBO mini-series), almost anything science fiction.

**Best thing about working at ACSI:** Everyone has been kind, welcoming and willing to help with any questions I have during my transition into this new opportunity.



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through advanced control solutions

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