NFPA/FPIC Quarterly Conference

Thursday, Sep 2, 2021
8:00 AM to 11:45 AM Central Time

"Advanced Software Solutions for Machine Control and Reliability"

8:00 – 8:10 AM	**Connection Time/Prepare for Event** We want to make sure everyone is connected and ready to go for an informative and interactive morning. Use this time to make sure your connection is working, familiarize yourself with the platform and connect informally with other participants via the virtual networking tables.
8:10 – 8:30 AM	**Welcome and Icebreaker** Tom Wanke (MSOE) and Eric Lanke (NFPA) will call us to order, talk about the technology theme for the day's session and make some other important announcements including details on utilizing the event platform and conduct an icebreaker exercise.
8:30 – 9:20 AM	**Title: "Better Machine Solutions with Strong Partners"** **Presenter:** *Peter Bleday; Head of Autonomous Vehicles; Danfoss Power Solutions Co.* **Abstract:** Emerging technology offers many opportunities to enhance or revolutionize the capabilities of mobile machines around the world. Keeping up with the pace of change requires leveraging strong partners that can complement an OEM's in house expertise. PLUS+1 from Danfoss offers a solid software control platform that helps system designers create solutions using a mix of Danfoss and 3rd party components and software. Danfoss has partnered with various experts in the market such as Ouster, Preco, and Carnegie Robotics to deliver strong autonomous solutions to machine integrators. These partners use their special focus to provide state of the art technology that can accelerate production readiness and adoption. Using PLUS+1 as a foundation, it is easy to build a traditional control system, add Danfoss Autonomous Control Library functions, and pair them with these partner products to build future proof solutions. Case studies will be presented discussing the benefits of this strategic partnership.
9:20 – 9:40 AM	**First Break/Networking Session** Use this 20-minute break to attend to details of your morning or join other attendees at a virtual table to network with audio/video. *Networking tables during this break will be shuffled every 5 minutes to boost networking opportunities.*
9:40 – 10:30 AM	**Title: "Conquering Complexity with ACE"** **Presenter:** *Brandon Coursey; Distribution Sales Manager; Enovation Controls* **Abstract:** Enovation Controls is an international industry leader in electronic displays and controls for engines and engine-driven equipment. Their latest software platform, ACE™, was designed to configure machine controllers and accompanying displays using one software tool. It is a powerful and easy-to-learn software tool to simplify and speed up control system development. ACE was designed for both machine experts with no coding experience and experienced programmers looking for a more efficient way to work. Using a built-in library of components and functions, simply drag-and-drop blocks and features together to create an application. Case studies are presented showing ACE's innovative auto-coding environment doing all the coding for you, saving you valuable time and unlocking valuable engineering resources.
10:30 – 10:50 AM	**Second Break/Networking Session**

	Use this 20-minute break to attend to details of your morning or join other attendees at a virtual table to network with audio/video. *Networking tables during this break will be shuffled every 5 minutes to boost networking opportunities.*
10:50 – 11:40 AM	**Title*:* "Empower Remote Workers with Real-Time Expert Connections Reducing Downtime and Maintenance Costs"** **Presenter:** *Ryan Legg; Business Development Manager; Iconics Corp.* **Abstract:** The efficiency of field service organizations can be streamlined through intelligent scheduling and reliable notifications using integrated mobile technology with video expert capability, making it possible for a remote field worker to instantly be connected to subject matter experts anywhere in the world. This allows field service workers and maintenance personnel to move past the legacy break/fix model toward more proactive and even predictive equipment management. Real-Time Expert Connections can integrate with existing enterprise resource planning (ERP) and customer relationship management (CRM) systems, utilizing existing contact information, schedules, and field workers' catalogued skill sets. Enable organizations to reduce downtime and lower maintenance costs. Case studies showing benefits of the connected field worker will be presented.
11:40 – Log Off	**Wrap-Up and Evaluation** Tom Wanke (MSOE) will provide some summary comments on the morning, answer any remaining questions, and thank everyone for participating. Please fill out the provided online evaluation survey to gather feedback on the success of this program and to collect ideas for future programs. If you are available, feel free to jump back into your conversations at the networking tables.

Presenter Contact Information

- Ryan Legg: ryanl@iconics.com; (847)-302-0863
- Brandon Coursey; bcoursey@enovationcontrols.com (530)-277-1923
- Peter Bleday: peter.bleday@danfoss.com (781)-690-0098

NFPA is the **National Fluid Power Association**, a trade association representing more than 300 companies across the fluid power supply chain, that works to strengthen the fluid power industry by convening an effective forum of industry stakeholders, delivering industry statistics and market information, providing opportunities for fluid power promotion and building an educated workforce for the industry. Companies interested in joining NFPA should contact:
Eric Lanke, President/CEO, NFPA (414) 778-3351; elanke@nfpa.com

FPIC is the **Fluid Power Industrial Consortium**, an industry networking group established by the Milwaukee School of Engineering to engage fluid power suppliers, manufacturers, distributors and OEMs in a quarterly series of half-day seminars on the latest fluid power technology advances with immediate implementation. All NFPA members are automatically members of FPIC. Non-NFPA-members interested in joining FPIC should contact:
Tom Wanke, Director, FPIC and Industry Relations, MSOE (414) 277-7191; wanke@msoe.edu

Future Programs:

- December 2, 2021 – "Advanced Technologies for Eco-Friendly Fluid Power Systems"
- March 3, 2022 – "Advanced Manufacturing Technologies for FP Components and Systems"
- June 2, 2022– NFPA/FPIC Quarterly Conference –Topic TBD