



The advanced Industrial Ethernet solution for automation, motion control and IT integration

To subscribe use the link at the bottom.



The official email newsletter of the PTO in North America

Issue 33, July 2010

SPONSORS



[Download the PDF](#)

[PROFIblog and Twitter](#)

[Full version](#)

IN THIS ISSUE

[BRYANT RE-ELECTED IN ROME](#)

[USING SOCIAL MEDIA FEATURES AT AUGUST GENERAL ASSEMBLY MEETING](#)

[TRAINING CLASS PROGRAM SUCCESS](#)

[WEBINARS ON SAFETY, ETHERNET BASICS ... AND MORE](#)

[WEBINARS FOR DEVELOPERS](#)

[PROFIBUS SUPPORT FOR AMS SUITE](#)

[RESOURCES UPDATE](#)

[WORLD NEWS: MIDDLE EAST, INDIA, CHINA, JAPAN, UK](#)

[APPLICATIONS: NORTH AMERICA / FLEXIBLE MANUFACTURING using IO-Link!](#)

[PROFIpeople: bringing you the 'who's who' of PROFIBUS and PROFINET](#)

[NEW PRODUCTS:](#)

- [CHIP BASED PROFINET SOLUTION IS DOWNLOADABLE!](#)
- [TIGER ARRIVES IN SEPTEMBER](#)
- [CommDTM FOR ProfiTrace](#)

GENERAL NEWS

BRYANT RE-ELECTED IN ROME: The 23rd Annual PI Meeting of Regional PI Association (RPA) Chairmen, which took place in Rome mid-June, was attended by a total of 26 delegates representing 30 countries. One early task was to elect a new PI Deputy Chairman. The previous deputy chairman - our very own Michael Bryant from PTO (right), who has been Deputy since PI's founding - said he was willing to stand again ... and was duly re-elected!

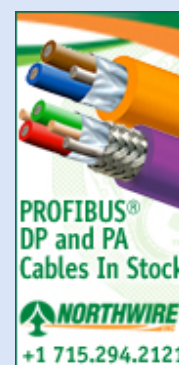
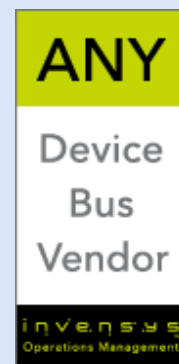


Marketing reports were presented by Germany and USA and reports from RPA Chairmen included one from the new China PROFIBUS&PROFINET Association (CPA) based at ITEI in Beijing. New CPA Chairman Wang Hai Bin demonstrated his excellent command of the English language as he spoke of the CPA's plans. Paula Doyle, from Ireland but currently working in Dubai, told the meeting that she was aiming to have an RPA established there shortly to cover Middle Eastern countries ([more here](#)).



A major role was played by Xaver Schmidt, head of the PROFINET Marketing Working Group, who needed several sessions across two days to cover the full extent of his group's current work. This included a review of a comprehensive marketing slide set which is soon to be made available. Schmidt also reviewed the recently announced Tiger chip from Phoenix Contact and confirmed that this will support all existing PROFINET standards as well as introducing new features. Tiger is designed primarily for use in compact IO

SPONSORS





**Enables
Connects
Protects**



and drives.

PROFenergy came into sharp focus too! The meeting was told that a project to quantify the savings possible from PROFenergy had been initiated. Delegates then participated in a workshop to determine how PROFenergy can be promoted worldwide.



The third day included an overview of IO-Link, the point to point communication standard for sensors and actuators that PI has been instrumental in getting off the ground. PTO is leading the PI community by adding on IO-Link modules to existing training classes.



nebc
ASIC



hilscher
COMPETENCE IN
COMMUNICATION



USING SOCIAL MEDIA FEATURES AT AUGUST GENERAL ASSEMBLY MEETING:

PTO will host its 16th Annual General Assembly Meeting for members in Scottsdale, AZ beginning August 3 and concluding August 5. It kicks off with a Welcome Reception on Tuesday evening and continues through a Thursday evening pool party. In between are reports, news, updates, and plans. not to mention plenty of opportunities to network. Wednesday's Keynote is about Social Media in Technology Markets by social media expert Jim Cahill of Emerson Process Management. We'll also show how PROFINET can be transitioned into a PROFIBUS facility while GE Intelligent Systems will discuss how they came to choose PROFINET. For our Wednesday networking event we're taking attendees out of the hotel to show them an amazing part of Arizona. Chip Corner will feature five different ways to implement PROFINET using chip-based approaches and there will be a light-hearted PROFhistory presentation to celebrate the 20th anniversary (actually it's 21 this year!) of PROFIBUS. IO-Link complementing PROFIBUS and PROFINET is another topic and of course there will be user experiences of both PROFIBUS and PROFINET. Members can [register here](#). *If you wonder what we do at these things, you can review the blog report from our last live meeting at [PTO GAM Report 2008](#).*



[Top](#)



TRAINING CLASS PROGRAM SUCCESS: "Good information to first time user;" "I liked the quizzes and door prizes for keeping things interactive and me awake;" "The instructors were having fun so the audience had fun learning;" "Good job covering information for people without any knowledge *and* those with 30 years experience. Demos and having equipment manufacturers present was great."

[Top](#)

All these and more are the kinds of feedback we keep getting at our free one-day training classes. This tells us that we are doing something right and indeed the amount of interest we see in pre-registrations particularly seems to underline this. We always get no-shows on the day of course but audiences continue to grow nevertheless. We even had to close registrations early for two recent classes!

Here's a list of upcoming events. If there's a location near you, why not come along and meet the folks from the PTO community?

FREE One Day Training Classes



Anybus
Serial Gateways & Network Gateways


www.anybus.com



nebc
ASIC



hilscher
COMPETENCE IN
COMMUNICATION



**Enables
Connects
Protects**





NEW
Prosonic S

Storage, buffer, and agitated tanks


Endress+Hauser **E+H**

We really are...
"Where Automation Connects"



ANY

Device Bus Vendor



DATE	PROFIBUS	PROFINET
July	Chicago	Kansas City
August	Tulsa	Cleveland
Sept	Baltimore	Denver
Oct	Omaha	Dallas
Nov		Detroit

It's important to register early however. PROFIBUS classes now cover both discrete *and* process automation, since PROFIBUS handles both types of application with a single protocol. The PROFIBUS class also has more PROFINET content this year. PROFINET classes are focusing on *using* PROFINET this year, so when students leave they're ready for their first PROFINET project. The list of training events is maintained [here](#). The schedule, class contents and the amazing added-value content (including the PDH benefits) were recently blogged by [Carl Henning here](#).

For full immersion in PROFINET and PROFIBUS technology, consider our 4-day [Certified Network Engineer](#) classes. They include a new class for PROFIBUS PA during 2010!

Finally, we've archived some webinars [on relevant topics here](#).



[Top](#)

WEBINARS ON SAFETY, ETHERNET BASICS ... AND MORE: Ethernet is becoming more and more prevalent but it can be difficult for a control engineer to find an Ethernet introduction on his terms. To meet this need, PTO has produced a one hour webinar entitled [A Short Introduction to Ethernet for Control Engineers](#). It's also the perfect introduction to our free PROFINET training classes (see above). [More information and a link to registration are here](#). If you are interested in safety systems, try our webinar on how PROFIsafe meets the requirements for conducting safety functions over PROFIBUS and PROFINET. PROFIsafe is the world's leading networking solution for functional safety. [Link to the PROFIsafe webinar here](#).



[Top](#)

WEBINARS FOR DEVELOPERS: Are you adding PROFINET to your products? Then you might be interested in our PROFINET Developer webinar series. It begins with an overview of the development process and the types of tools available to accelerate your effort: [The Rapid Way to PROFINET](#). The series continues with specific tool providers showcasing their solutions. PROFINET Development Kits from PROFInterface Center is the [first in the series](#).



[Top](#)



[YOUR AD
HERE](#)



[YOUR AD
HERE](#)

PROFIBUS SUPPORT FOR AMS SUITE: Emerson Process Management has added PROFIBUS support to its AMS Suite when used with its DeltaV digital automation system. AMS Device Manager v11 now provides a single application for managing field devices using HART, FOUNDATION Fieldbus, PROFIBUS DP, and IEC 62591 (*WirelessHART*) communications. Adding PROFIBUS DP support enables users to remotely access diagnostics and configurations from PROFIBUS devices such as motor starters, drives, MCCs, and other high value equipment. By having a central point to actively manage assets, users can take advantage of predictive diagnostics and remote configuration to improve equipment reliability and availability. [EMERSON PROCESS MANAGEMENT](#).



[Top](#)

RESOURCES UPDATE: A completely new marketing brochure for PROFinergy has been published, along with four other updated brochures covering PROFINET, PROFIBUS PA, PROFIdrive and PROFIsafe. All are available for download [here](#). The online Product Guide of PROFIBUS and PROFINET products has been revised to



improve usability. By reducing the selection criteria, products can be found much more easily. For vendors product data can also be entered faster. In addition the presentation of certified products has been improved, to facilitate identification. The Product Guide is a free and well-proven benefit for members and users. It is kept up to date by vendor members themselves. [Product Guide](#).

[Top](#)

WORLD NEWS

MIDDLE EAST: A Regional PI Association (RPA) in the key Middle East is soon to become a reality. [Paula Doyle](#) from Ireland has taken up a new job in Dubai with Siemens and her position is centered on PROFIBUS so it will allow her to focus her marketing skills on helping PI expand in the Middle East. She was a welcome guest at the [23rd PI Meeting in Rome](#). **INDIA:** UL Group has been accredited as the first PI Competence Center (PICC) in India, joining the network of 37 other PICC's operating in 22 countries. **CHINA:** The new China PROFIBUS&PROFINET Association (CPA) was founded in March 2010 in Beijing to strengthen PROFIBUS and PROFINET activities there. An inaugural meeting saw the Instrument Technology & Economy Institute P.R.China (ITEI) adopted as the new host organization. PI Chairman Jörg Freitag, Deputy Chairman Michael Bryant (from PTO) both attended the inauguration (see picture right). **JAPAN:** The Japanese PROFIBUS Organization held its annual "PROFIBUS & PROFINET Day" in June. 23 member companies and two Associations took part with PROFIBUS DP/PA and PROFINET multi-vendor demonstration systems and seminars. **UK:** The annual PROFIBUS and PROFINET User Group conference was held at the end of June. It included papers discussing wireless communications suitable for factory and process automation, with case studies. Functional safety over wireless was also covered. **ITALY:** PI Italia hosted the 23rd annual RPA Chairmen's Conference in Rome in June, as reported [above](#). Ciao!



[Top](#)

APPLICATIONS

NORTH AMERICA / FLEXIBLE MANUFACTURING: When Ingersoll CM Systems decided to build their next generation deep fillet rolling machine, they wanted a more modular and expandable solution that would allow customers to keep pace with evolving crankshaft sizes. The PROFIBUS+IO-Link system proposed by Balluff resulted in 60% savings! [Full story here.](#)

[Top](#)

PROFIpeople - the 'who's who' of PROFIBUS and PROFINET

PETRA MAYER: Petra Mayer is the 'interface' between the PI Support Center in Karlsruhe, Germany, and the rest of the PI community including the Regional PI Associations (RPAs) and in particular their Chairmen. She is one of PTO's key contacts so we consider her almost a member of the PTO staff here in Scottsdale. Petra has been working with PI since 1996! In fact she's almost the longest serving member of staff there so she has a vast amount of experience of the fieldbus world and its personalities. Asked what part of her job she likes the best, she responds immediately: "The people!" RPA Chairmen relish the role they play in the world of PROFIBUS and PROFINET she



explained, and often they work in their own free time - sometimes with their families - to help our technologies lead the automation world: "You really feel that RPA Chairmen love their jobs," she adds. "Many have been in their role longer than me and we know each other so well that we can always be open and honest. Out of that comes that strong sense of community and the creative surges that have been so important to making PROFIBUS and now PROFINET successful." In typically modest style she also told us that her basic role is to be a collector and distributor of information. "My job has mostly been the same through the (almost) 15 years," she said sagely, "but then it's never been the same either!" We thank Petra for always delivering the same high quality support to us here at PTO and we look forward to working with her for another 15 years.

See ya soon, Petra!

[Top](#)

NEW PRODUCTS

CHIP BASED PROFINETS SOLUTION IS DOWNLOADABLE!: Innovasic Semiconductor has announced its new Rapid Platform connectivity solution for PROFINETS RT devices. Engineers can now download everything they need to integrate PROFINETS. This risk-free, no cost evaluation kit is fully functional and pre-tested for conformance. "Our new Rapid Platform is a first," said CEO Keith Prettyjohns. "Engineers can now quickly and easily add PROFINETS to their products without re-inventing the wheel." A license fee applies only if the platform is used in production. The solution uses Innovasic's fido1100 communication controller to handle the PROFINETS traffic. This either acts as a "network processor" alongside a host microcontroller or it can be used as a standalone solution. Innovasic also has a new web-based Developer Portal to support the RapidID package. [INNOVASIC SEMICONDUCTOR](#).

[Top](#)

TIGER ARRIVES IN SEPTEMBER: Phoenix Contact plans to make prototypes of its TPS-1 chip available in September 2010. Otherwise known as 'Tiger', TPS-1 is an Application Specific Integrated Circuit (ASIC) for easy connection of compact devices and drives to PROFINETS controllers. The device supports RT and IRT functionality and is fully compatible with current PROFINETS specifications. It will also meet the V2.3 specification expected shortly. In collaboration with Siemens, Phoenix Contact contributed



its experience with Interbus to the development and also incorporated new ideas. Tiger offers a cost-effective solution for integrating PROFINETS into smaller and simpler field devices. [PHOENIX CONTACT](#).

[Top](#)

CommDTM FOR ProfiTrace: PROCENTEC's ProfiTrace diagnostics tool has been enhanced with a CommDTM, meaning it's now possible to parameterize PROFIBUS devices using plant asset management tools like FieldCare and PACTware direct from the ProfiTrace platform. The regular ProfiTrace functions like message recording, signal analysis, DP master functions and OPC can be used simultaneously with the DTM. Thousands of users are using ProfiTrace daily. ProfiTrace has a community on [LinkedIn](#) which is used for FAQs, application stories and news. [PROCENTEC](#).



[Top](#)

Visit www.us.profibus.com
the home of PROFIBUS and PROFINETS in North America

PTO Published by PTO
16101 N. 82nd Street, Suite 3B
Scottsdale, AZ 85260

©2010 PTO

[feedback](#)

A Member of the  Community