OPC General Assembly Meeting 2016

Thomas Burke
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Agenda & Speakers

- Thomas Burke  
  OPC Foundation Vision

- Stefan Hoppe  
  OPC Marketing, OPC Collaboration Briefing, 2017 Events

- Michael Bryant  
  OPC Board Of Director’s Election Results

- Matthias Damm  
  OPC Technology Overview

- Jim Luth  
  A Message From The CTO, OPC UA Working Group

- Nathan Pocock  
  OPC Certification
"A CONNECTED WATER BOTTLE THAT WILL GLOW WHEN YOU NEED TO TAKE A SIP"

-TechCrunch

I WANT ONE
IIoT

consumer IoT

industrial IoT
World Wide Efforts

China 2025
OPC Foundation

- Vision
  secure, reliable, multi-vendor, multi-platform, multi domain interoperability from sensor to enterprise

- International
  ◦ Companies from Automation & IT
  ◦ International standard IEC62541
2017 – 2018 Board of Director Voting

- Russ Agrusa  ICONICS
- Veronika Schmid-Lutz  SAP
- Stefan Hoppe  Beckhoff
- Matthias Damm  Ascolab

- 93 Members voted
OPC Foundation Board of Directors

- International board – democratic elections by members every year
  - Companies from Automation & IT

North America
- Honeywell
- iconics
- Microsoft

Europe
- SAP
- Beckhoff
- ascotab
- Siemens

Japan
- YOKOGAWA
OPC Adoption!

By the Numbers!
- Statistics as of June 1, 2016
- Companies building OPC products 4200+
- Number of OPC products 35,000+
- Number of OPC installations 47 million+
Service Oriented Architecture (SOA)

- Device provides **Services** and **Discovery** of Services

- **Standardized** Access

  Support of

  - **Interoperability**
  - **Security**: Rolls of access per user
  - **Information-Modeling**
    Type and Data consistency
Collaborations

The OPC Foundation closely cooperates with organizations and associations from various branches. Specific information models of other standardization organizations are mapped onto OPC-UA and thus become portable.

New logo's integrated:

- VDMA
- Industrial Data Space
- CAN in Automation (CiA)
- IO-Link
- CLPA
OPC UA & Internet of Everything

OPC Unified Architecture

Interoperability for Industrie 4.0 and the Internet of Things

M2M

Industrie 4.0

IoT

OPC UA
OPC UA – Videos (Commitment)

Commitment from big brand companies
Siemens, SAP, Microsoft, Mitsubishi, FESTO, National Instruments, BECKHOFF, Harting, ..others

https://youtu.be/HmjevoXqG_w
OPC pod at Microsoft booth

...always overcrowded...
OPC-UA flyer about Azure IoT

Microsoft commitment: Flyer about OPC UA integration into Azure

5 Clicks to Digital Factory: Connect your Machines easily with Industry-4.0-Standard OPC UA to the Cloud

OPC UA is an essential component of the connected products that manufacturing customers need today, and it is increasingly seen as an important part of enterprise IoT scenarios and business models. In keeping with our commitment to openness and collaboration, Microsoft is fully committed to supporting OPC UA and its evolution.

Contact:
[Contact Information]

Microsoft

OPC UA is an essential foundation for the convergence of IT and OT, providing a standardized communication, security and scalability framework for all industry equipment. From an IT perspective, OPC UA is the programming interface of the "Connected Factory" and every other industrial device and a platform for Industrial Internet of Things (IIoT) as well as the reference Architecture Model for Industry 4.0 adoption and deployment.

Microsoft supports OPC UA by providing tools and technologies, including data and device management, insights, and machine learning capabilities for equipment that are designed to help their customers build in the cloud enable global-scale, industrial-grade Software as a Service (SaaS) solutions that are the most efficient and scalable for each industrial facility. Microsoft's support of OPC UA is essential for IIoT adoption and helps enable innovative value.
Brochure

- Brochure: “Interoperability for Industrie 4.0 and the Internet of Things”
- Print & online version available in English / German / Chinese / Japan
  [https://opcfoundation.org/resources/brochures/](https://opcfoundation.org/resources/brochures/)

- Testimonials
- Technology
- Collaboration
- Success Stories
- Getting Started
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Thank you

OPC UA: The worldwide accepted standard for M2M, IIoT and Industrie4.0

- OPC Foundation
  www.opcfoundation.org

- Thomas J. Burke
- OPC Foundation President
  & Executive Director