Industrial Internet Consortium

Intelligent Transport Systems Forum

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Industrial Internet Consortium
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A Global, Open Membership Consortium

Over 200 organizations

Spanning 30+ Countries

Industrial Internet Consortium, now incorporating OpenFog

Mission: Deliver a trustworthy Industrial Internet of Things (IIoT) in which the world’s systems and devices are securely connected and controlled to deliver transformational business outcomes.

www.iiconsortium.org
Disruption Across All Industries

The Industry IoT Consortium

Aerospace & Defense
Transportation & Logistics
Technical Infrastructure
Retail
Public Sector
Near Space & New Space
Mining & Metals
Media & Communication
Manufacturing
Healthcare

Agriculture
Buildings & Facilities
Consumer & Home
Education
Energy & Utilities
Environment
Finance & Banking
The Industrial Internet Consortium Ecosystem

Ecosystem of Industry Experts

Collaborate in Working & Task Groups

Deliver Results via Testbeds

A continuous flow of inter-related activities

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Ecosystem of Industry Experts

A Global, Open Membership Consortium over 200 member organizations

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Collaborative Working Groups

Playing a major role in the future of the industrial internet through collaboration

- **Technology Working Group**: define and develop reference architectures, frameworks for connectivity, business strategies, industrial analytics, edge computing and more.

- **Security Working Group**: determine and develop security and privacy frameworks, evaluate testbed security concerns, deliver trustworthiness best practices, guidance and maturity models.

- **Testbed Working Group**: accelerate the creation and implementation of innovations for the industrial internet. Foster partnerships to build real innovations, provide processes and an infrastructure for effective operations.

- **Liaison Working Group**: develop coalitions for collaboration in the Industrial internet ecosystem. Operates as the gateway for formal liaisons with standards development organizations, open-source organizations, certification and testing bodies, government entities.

- **Marketing Working Group**: Work with members and industry at large to establish the Industrial Internet Consortium as a community that champions innovation in connected intelligent machines and processes.

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Deliver Testbed Results

- **Innovate and Initiate** untested technologies or existing technologies working together

- **Build** end to end solutions with *Industry Partners*

- **Influence standards** and drive multi-vendor interoperability

- **Test** solutions to ascertain usefulness and viability before going to market

- **Convergence** of Operational Technologies (OT) and Information Technologies (IT) to identify changes in *business models* and *best practices*

- **Don’t wait** for standards to be implemented and replace equipment before implementing IIoT systems. *Adapt existing equipment* to the internet with confidence, *now.*

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Intelligent Transport Systems

• Disruption to our transportation systems is well underway
• ITS technologies are testing and proving their worth in improving the operating capabilities and safety of our systems
• Industrial Internet Consortium members leading the way
  – Automotive Task Group
  – Automotive Security Task Group
  – OTA Special Interest Group
  – End User Leadership Council
  – Collaboration with transportation-related associations
  – Designing Best Practices, Guidance and Maturity Models
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker/Company</th>
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<tbody>
<tr>
<td>9:05</td>
<td>A Market of Assured and Trustworthy Complex Cyber/Physical Systems – The MITRE Corporation</td>
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<td>9:25</td>
<td>OTA Silicon update and Dynamic Function eXchange (DFX) for Automotive ECUs – System View, Inc.</td>
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<td>9:45</td>
<td>OTA infrastructure for semi-autonomous to autonomous systems – Bosch Software Innovations</td>
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<td>10:05</td>
<td>Network Orchestration for Automotive Communication Lockdown - GuardKnox</td>
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<td>10:25</td>
<td>Deep Learning with Dynamic Function Exchange for Autonomous Vehicles - Xilinx</td>
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<tr>
<td>10:45</td>
<td>Panel: Semi-autonomous and Autonomous Vehicle Secure Networking and Connectivity – above companies</td>
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<td>11:45</td>
<td>Digital Twin for Transportation Industry - Oracle</td>
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<td>1:00</td>
<td>IoT @ the Edge – The Boeing Company</td>
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<td>1:30</td>
<td>Connectivity Architecture for Highly Autonomous Vehicles - RTI</td>
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<td>2:00</td>
<td>The Future Car as an Edge Device – Leveraging the Full Power of Telematics – aicas GmbH</td>
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<td>2:50</td>
<td>Panel: Practical Applications for Building Trustworthy Transportation Solutions – LHP, aicas, Irdeto, MITRE</td>
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