
Dear Reader:

Welcome to the Digital Transformation issue of the Journal of Innovation! Digital transformation is often referred to as a complete rethinking of all aspects of an organization -- including processes, workforces and business models – by fully embracing the philosophy of abundance of actionable data and connectivity to enable real-time insight and actions. Industrial IoT is at the very center of this transformation.

This edition delivers a range of topics on Digital Transformation from monetization methods to operationalizing Industrial IoT as well as two articles on testbeds and experiments:

- Marcellus Buchheit provides a glimpse into the complex world of Industrial Internet monetization and I²M² as a model to establish various monetization methods in “I²M² – the Future of Industrial System Monetization.”
- In “Digital Twin - Modeling Interrelated Devices,” Juan Asenjo and Chellury Sastry discuss how industrial standards such as OPC UA information Modeling, SensorML and S95, could be leveraged to generate the digital twin presentation of a complex system.
- Pieter van Schalkwyk describes a framework to operationalize IoT Technologies in “A Practical Framework to Turn IoT Technology into Operational Capability.”
- In “Growing A Digital Mindset in the Lime Industry,” Carlo Cella describes a case study on applying today’s social communication techniques to the world of Industrial IoT.
- Amar Deol and Ken Figuredo outline the intention behind the Huawei-InterDigital OneM2M platform interoperability in “Huawei and InterDigital Demonstrate Open-Standard, IoT-Platform Interoperation.”
- In “Outcomes, Insight and Best Practices from IIC Testbeds: MQM,” Mitch Tseng was interviewed by Joseph Fontaine on IIC’s Manufacturing Quality Management (MQM) Testbed that highlights increasing the efficiencies of China’s manufacturing capabilities.
- Jesus Molina, Suresh Damodaran, Slava Zolotnikov and Robert Martin highlight their findings and challenges in evaluating security in IIC testbeds: “Evaluating the Security of Industrial IoT Testbeds.”

We conclude this series of articles with an update on “What’s new at the Industrial Internet Consortium.”

We hope you enjoy this edition and do let us know if there are any topics you would like to see covered in the future. The June edition of the Journal of Innovation will focus on Data. Stay tuned!

Best Regards,

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