
Dear Reader:

Welcome to the Innovative Technologies issue of the Journal of Innovation! The pace of innovation is accelerating, creating disruptions across the board: individuals, businesses, governments and society. Traditional boundaries between these entities are completely redrawn. Digital technologies which began as a differentiating advantage—including the Industrial Internet of Things—are turning into something expected from every business.

This edition of the Journal of Innovation covers a range of Innovative Technologies pertinent to the Industrial Internet of Things, from Custom Application Specific Integrated Circuits (ASICs) to Intelligent Realities:

- Michael D. Thomas describes how Intelligent Realities are used to aid worker cognition and performance in “Intelligent Realities for Workers Using Augmented Reality, Virtual Reality and Beyond.”
- In “Keeping Ahead of the Curve with Custom ASICs,” Edel Griffith, Darren Hobbs and Sohrab Modi describe how custom ASICs are now economically viable for smaller volumes; as well as their impact on the Industrial Internet of Things, especially in regards to their edge processing.
- With “Improving Reliability and Security of Global Cold Chain Logistics for Pharmaceutical Assets,” Dr. Dave Stanton and Dr. Madhusudan Pai explore the current state of environmentally-sensitive supply chain (otherwise known as cold-chain) logistics for pharmaceuticals.
- Dan Isaacs, Jillian Goldberg, Dionis Teshler and Tal Nisan describe the use of Programmable Logic for automotive security in “Automotive Security through New Communication Lockdown Utilizing Programmable Logic Solutions .”

This edition also includes an article on the IIC Smart Factory Web Testbed based on an interview by Joseph Fontaine with Dr. Kym Watson. The March edition concludes with important updates on IIC activities in “What’s New at the IIC.”

We sincerely hope you enjoy this edition of the Journal of Innovation. Please let us know if there are any topics you would like to see covered in the future. The next edition will focus on Artificial Intelligence. Stay tuned!

Best Regards,

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