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Dear Reader,

Welcome to this 6<sup>th</sup> edition of the Journal of Innovation. We continue to see the rapid growth of the Industrial Internet of Things as the realization of its value in moving to a digital environment becomes crystal clear in every industry. This digital transformation will serve to make a better world for all of us as it drives down cost of goods sold and cost of services which frees up capital for new and even more innovative investments in improving the human condition, creating new paradigms in industry approaches, new products and new opportunities.

At the recently completed and wildly successful [IoT Solutions World Congress event](#) in Barcelona, we saw record numbers of attendees who took advantage of thought provoking presentations on such topics as *The Role of Artificial Intelligence* and *Next Generation IoT*. Hundreds of exhibitors offered hands on demonstrations of new IoT technologies in areas spanning not only traditional manufacturing scenarios, but new and exciting technologies. The Industrial Internet Consortium (IIC), as the primary driver of this event, was a major participant at every level.

As the last issue of 2017, we present a broad-based spectrum of thought provoking articles that are reflective of the ever-expanding universe that is IoT. As you read through these articles, be sure to capture the innovative concepts becoming a reality and look for opportunities to apply them to your own efforts at IoT realization. We are particularly pleased to include an article from MIT on Artificial Intelligence which reflects a new approach for the Journal to accept submissions from non-IIC member so as to enhance the value of the Journal to its readership. In this issue, we feature:

- [Eric Prevost](#) from Oracle gives us his insight on the rapidly changing world of manufacturing and the promise of Democratized Artificial Intelligence in making that transition a positive one
- Professor [Sanjay Sarma](#) and Research Scientist [Joshua Siegel](#) of MIT give us a fascinating look at Industrial Intelligence and its implications creating technical magic for Security, Seamlessness and Services for the IIoT
- The co-chairs of the IIC Industrial Analytics Task Group – [K. Eric Harper](#), ABB Technology Limited; [Wael Diab](#), Huawei Technologies and [William Sobel](#), VIMANA – share their thoughts on the recently released *Industrial IoT Analytics Framework (IIAF)*
- [Shi-Wan Lin](#), Thingswise LLC, and [Joseph Fontaine](#), IIC, discuss the Outcomes, Insights, and Best Practices from the IIC Intelligent Urban Water Supply Testbed that is bringing social and ecological change to China

We hope you enjoy this edition, and encourage you to reach out to us for opportunities to publish your own thought-provoking topics in future editions.

Best regards,

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Dear Reader:

The [Industrial Internet Consortium](#) is pleased to publish this sixth edition of the *IIC Journal of Innovation*.

This collaborative effort is the sum of very many parts and we would like to take this opportunity to recognize and thank the team of editors and peer reviewers who lent their time and expertise to the editorial process of evaluating and enhancing each of the articles contained in this edition with their unique perspectives and wisdom.

Sincere thanks goes to this edition's editors and peer reviewers:

Mr. Robert Benacka, Board of Directors, ROI Management  
Ms. Sandy Carielli, Director of Security Technologies, Entrust Datacard  
Mr. Javier Diaz, IIoT Team Leader, Plethora IIoT  
Mr. Mark Crawford, Standards Strategist, SAP Strategic IP Initiatives  
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As a global, not-for-profit, public-private partnership of 250+ member organizations, we encourage every organization across all industries to get involved and be proactive in shaping the Industrial Internet. We welcome your [feedback](#) and participation.

Many thanks,

Kathy Walsh  
*Director of Marketing*  
Industrial Internet Consortium



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