CALL FOR PAPERS

Conference on Industry and Innovations enabled by Industry 4.0 Technologies
May 6, 2023
San Jose, California, USA
http://www.usei40.org

Sponsored by:
IEEE Technology and Engineering Management Society (TEMS)
IEEE TEMS Silicon Valley Chapter
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BACKGROUND AND OBJECTIVES
Industry 4.0 was stimulated by many new technologies including AI, IoT, sensors, networking, robotics, and others. This has led to great improvements in manufacturing, control systems, and other industry systems. Research is leading us to the "Digital Twin" where we can evaluate industry systems, pro-actively correct possible problem and, eventually, test new components in accurate simulation prior to using them in the industrial setting. Now, we are observing that these technologies along with similar strategies as used in industry are stimulating many technical business solutions including healthcare and consumer products. This workshop brings together the research and industry perspectives of the opportunity and challenges enabled with these technologies in multiple areas including healthcare and entrepreneurship.

PROGRAM OVERVIEW
This one-day event is divided into a morning plenary where multiple speakers will address the technologies making Industry 4.0 and how they are being applied to other areas. Speakers will consider the technology and business perspectives, opportunities, and challenges. Speakers will represent industry, research, and IEEE programs in this area.
A group lunch will allow all to network together.

The afternoon will have parallel sessions with focuses on research and business presentations in the Topic Areas. This section will have its papers to be published in the IEEE.

PLENARY SPEAKERS
To be announced

TECHNICAL TRACKS
Contributions will be outlined background areas following the research and technology outlined above. These areas include, but are not limited to:

- Technology Opportunities and Challenges
- Security and Privacy Challenges with Informatics
- Business Considerations with Big data Technologies
- Healthcare and other applications enabled by Industry 4.0 Technologies
- Entrepreneurship and Innovation
- Resilient Supply Chains

The paper publishing site will be listed shorty.

PAPER SUBMISSION

Prospective participants are invited to join the event, but their studies must utilize the market analysis research to support their technical conclusions. The publication of the conference proceedings will follow the conference.

TIMELINES:

Paper Submission	**17 February 2023**
Paper ready for review	**17 March 2023**
Notification of acceptance	**17 April 2023**
Camera-ready submission of full papers	**5 May 2023**