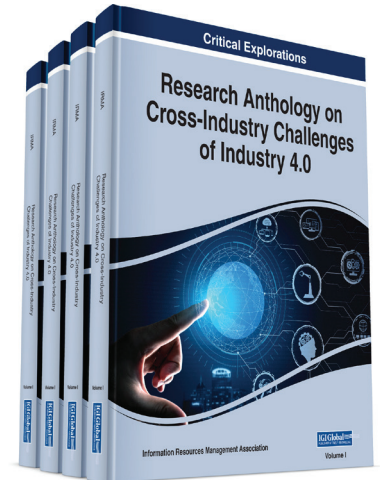# Research Anthology on Cross-Industry Challenges of Industry 4.0

IRMA (USA)

Description:

As Industry 4.0 brings on a new bout of transformation and fundamental changes in various industries, the traditional manufacturing and production methods are falling to the wayside. Industrial processes must embrace modern technology and the most recent trends to keep up with the times. With "smart factories" ; the automation of information and data; and the inclusion of IoT, AI technologies, robotics, and cloud computing comes new challenges to tackle. These changes are creating new threats in security, reliability, the regulations around legislation and standardization of technologies, malfunctioning devices or operational disruptions, and more. These effects span a variety of industries and need to be discussed.

Research Anthology on Cross-Industry Challenges of Industry 4.0 explores the challenges that have risen as multidisciplinary industries adapt to the Fourth Industrial Revolution. With a shifting change in technology, operations, management, and business models, the impacts of Industry 4.0 and digital transformation will be long-lasting and will forever change the face of manufacturing and production. This book highlights a cross-industry view of these challenges, the impacts they have, potential solutions, and the technological advances that have brought about these new issues. It is ideal for mechanical engineers, electrical engineers, manufacturers, supply chain managers, logistics specialists, investors, managers, policymakers, production scientists, researchers, academicians, and students looking for cross-industry research on the challenges associated with Industry 4.0.

ISBN: 9781799885481   **Pages:** 2,500   **Copyright:** 2021   **Release Date:** February, 2021

Hardcover: **$1,695.00**   **E-Book:** **$1,695.00**   **Hardcover + E-Book:** **$2,050.00**

Topics Covered:

- Additive Technologies
- Artificial Intelligence
- Automated Production
- Big Data
- Circular Economy
- Cyber Physical Systems
- Cyber Security
- Data Analytics
- Digital Transformation
- Industry 4.0
- Internet of Things (IoT)
- Management
- Manufacturing and Production
- Project Management
- Safety and Maintenance

Subject: Business and Management

Classification: Critical Exploration

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners