

Cybersecurity for Industry 4.0

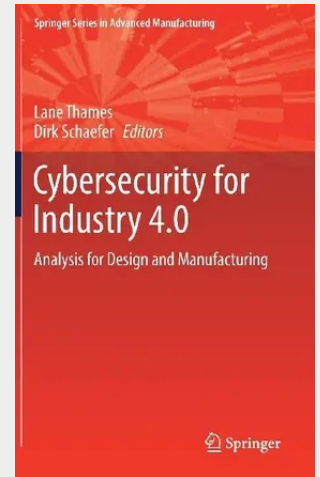
Analysis for Design and Manufacturing

This book introduces readers to cybersecurity and its impact on the realization of the Industry 4.0 vision. It covers the technological foundations of cybersecurity within the scope of the Industry 4.0 landscape and details the existing cybersecurity threats faced by Industry 4.0, as well as state-of-the-art solutions with regard to both academic research and practical implementations.

Industry 4.0 and its associated technologies, such as the Industrial Internet of Things and cloud-based design and manufacturing systems are examined, along with their disruptive innovations. Further, the book analyzes how these phenomena capitalize on the economies of scale provided by the Internet.

The book offers a valuable resource for practicing engineers and decision makers in industry, as well as researchers in the design and manufacturing communities and all those interested in Industry 4.0 and cybersecurity.

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171,19 €

159,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319506593

Medium: Buch

ISBN: 978-3-319-50659-3

Verlag: Springer

Erscheinungstermin: 11.04.2017

Sprache(n): Englisch

Auflage: 1. Auflage 2017

Serie: Springer Series in Advanced Manufacturing

Produktform: Gebunden

Gewicht: 5443 g

Seiten: 265

Format (B x H): 160 x 241 mm

