

Implementing Industry 4.0

The Model Factory as the Key Enabler for the Future of Manufacturing

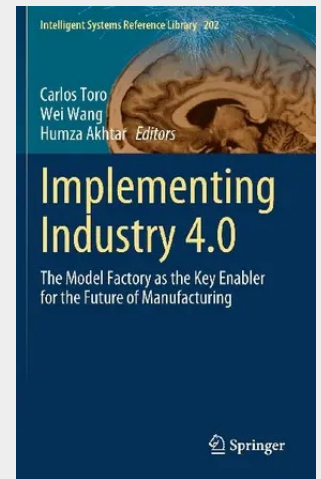
This book relates research being implemented in three main research areas: secure connectivity and intelligent systems, real-time analytics and manufacturing knowledge and virtual manufacturing.

Manufacturing SMEs and MNCs want to see how Industry 4.0 is implemented. On the other hand, groundbreaking research on this topic is constantly growing. For the aforesaid reason, the Singapore Agency for Science, Technology and Research (A*STAR), has created the model factory initiative.

In the model factory, manufacturers, technology providers and the broader industry can (i) learn how I4.0 technologies are implemented on real-world manufacturing use-cases, (ii) test process improvements enabled by such technologies at the model factory facility, without disrupting their own operations, (iii) co-develop technology solutions and (iv) support the adoption of solutions at their everyday industrial operation.

The book constitutes a clear base ground not only for inspiration of researchers, but also for companies who will want to adopt smart manufacturing approaches coming from Industry 4.0 in their pathway to digitization.

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192,59 €

179,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783030672690

Medium: Buch

ISBN: 978-3-030-67269-0

Verlag: Springer

Erscheinungstermin: 04.04.2021

Sprache(n): Englisch

Auflage: 1. Auflage 2021

Serie: Intelligent Systems Reference Library

Produktform: Gebunden

Gewicht: 816 g

Seiten: 418

Format (B x H): 160 x 241 mm

