



Edited by

Mikael Collan · Karl-Erik Michelsen

Technical, Economic and Societal Effects of Manufacturing 4.0

Automation, Adaption
and Manufacturing in
Finland and Beyond

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PREFACE

This book is a result of cross-disciplinary teamwork around a common theme, Manufacturing 4.0 and the technical, economic, and social issues that go with it. In vein with the original idea of Industry 4.0, put forth as a vision of a new kind of future for the industry that encompasses also the many societal and economic changes that come with technological change, this book studies the technological change in manufacturing and its possible transformative power on the society.

Most importantly the message in the book is that Manufacturing 4.0 is not only a technical change, nor is it a purely technically driven change, but it is a societal change that has the potential to disrupt the way societies are constructed in both in the positive and in the negative.

We hope this book both reinforces the understanding of the phenomenon that is Manufacturing 4.0 and opens the readers' eyes on what more it could be.

Lappeenranta, Finland

Mikael Collan
Karl-Erik Michelsen

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