

Preface

This book compiles extended versions of a selection of the best papers presented at the Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE) 2017 held in Vienna, Austria. They represent a good sample of the current state of the art in the field of industrial engineering and its application areas.

The papers presented in this book address methods, techniques, studies, and applications of industrial engineering with the theme of “Industrial Engineering in the Industry 4.0 Era”. Industry 4.0 is a collective term for the technologies and concepts of value chain organization, which bring together Cyber-Physical Systems, the Internet of Things, the Industrial Internet of Things, and the Internet of Services. These systems allow intelligent products, processes, and services to communicate with each other and with people in real time over a global network. This challenges the way that we educate engineers and the way that we manage companies. This book will shed new light on the role of industrial engineering in this endeavor. Contributions have been arranged in three parts:

- Industrial Engineering
- Engineering and Technology Management
- Healthcare Systems Engineering and Management

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