

springer.com

Advances in Intelligent Systems and Computing 490

Christopher Schlick Stefan Trzcielinski *Editors*

Advances in Ergonomics of Manufacturing: Managing the Enterprise of the Future

Proceedings of the AHFE2016 Conference on Human Aspects of Advanced Manufacturing, July 27-31, Walt Disney World®, Florida, USA

Springer

1st ed. 2016, XVI, 637 p. 258 illus., 165 illus. in color.

Printed book

Softcover

- ▶ 299,00 € | £222.50 | \$349.00
- *319,93 € (D) | 328,90 € (A) | CHF 328.50

🥑 eBook

Available from your library or

springer.com/shop

МуСору

Printed eBook for just

- ▶ €|\$24.99
- springer.com/mycopy

Special offer ► Get 20% off the printed book or eBook! Use the following token on springer.com ► NcB72JwXp22Y3Bg (Valid 07/26/2016 - 08/26/2016)

C. Schlick, S. Trzcieliński (Eds.)

Advances in Ergonomics of Manufacturing: Managing the Enterprise of the Future

Proceedings of the AHFE 2016 International Conference on Human Aspects of Advanced Manufacturing, July 27-31, 2016, Walt Disney World[®], Florida, USA

Series: Advances in Intelligent Systems and Computing, Vol. 490

- Cutting-edge research on human-centered design of manufacturing systems
- Discusses important features of enterprises of the future
- Highlights the role of intelligent technologies in supporting operations and process management
- Explores critical aspects in the design of lean manufacturing systems

This book discusses the latest advances in people-centered design, operation, and management of broadly defined advanced manufacturing systems and processes. It reports on human factors issues related to various research areas such as intelligent manufacturing technologies, web-based manufacturing services, digital manufacturing worlds, and manufacturing knowledge support systems, as well as other contemporary manufacturing environments. The book covers an extensive range of applications of human factors in the manufacturing industry: from work design, supply chains, evaluation of work systems, and social and organization design, to manufacturing systems, simulation and visualization, automation in manufacturing, and many others. Special emphasis is given to computer aided manufacturing technologies supporting enterprises, both in general and in the manufacturing industry in particular, such as knowledge-based systems, virtual reality, artificial intelligence methods, and many more. Based on the AHFE 2016 International Conference on Human Aspects of Advanced Manufacturing, held on July 27-31, 2016, in Walt Disney World®, Florida, USA, the book provides readers with a timely snapshot of the enterprises of the future and a set of cutting-edge technologies and methods for building innovative, human-centered, and computer-integrated manufacturing systems.

Order online at springer.com Need help? Go to springer.com/help/orders

The first \in price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with * include VAT for books; the \in (D) includes 7% for Germany, the \in (A) includes 10% for Austria. Prices indicated with ** include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted.