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Titolo	Learning Factories [[electronic resource]] : Featuring New Concepts, Guidelines, Worldwide Best-Practice Examples // by Eberhard Abele, Joachim Metternich, Michael Tisch, Antonio Kreß
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Descrizione fisica	1 online resource (668 pages)
Altri autori (Persone)	MetternichJoachim TischMichael KreßAntonio
Disciplina	670
Soggetti	Industrial engineering Production engineering Technical education Production management Industrial and Production Engineering Engineering and Technology Education Production
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Challenges for future production/manufacturing -- Competencies for future production -- Learning in production, learning for production -- Historical development, terminology, and definition of learning factories -- The variety of learning factory concepts -- The life cycle of learning in learning factories for competency development -- Overview on existing learning factory application scenarios -- Overview on the content of existing learning factories -- Overview on potentials and limitations of existing learning factory concept variations -- Projects and groups related to learning factories -- Best practice examples -- Conclusion and outlook.
Sommario/riassunto	This book presents the state of the art of learning factories. It outlines the motivations, historic background, and the didactic foundations of learning factories. Definitions of the term learning factory and an

updated morphological model are provided as well as a detailed overview of existing learning factory approaches in industry and academia, showing the broad range of different applications and varying contents in all continents. International learning factory best-practice examples are presented in detailed and structured manner. The state of the art of learning factories curricula design and their use to enhance learning and research as well as potentials and limitations are presented. Further research priorities and innovative learning factory concepts to overcome current barriers are offered. While today numerous learning factories have been built in industry (big automotive companies, pharma companies, etc.) and academia in the last decades, a comprehensive handbook for the scientific community and practitioners alike is still missing. The book addresses therefore both researchers in production-related areas that want to conduct industry-relevant research and education, as well as managers and engineers in industry, who are searching for an effective way to train their employees. In addition to this, the learning factory concept is also regarded as an innovative learning concept in the field of didactics.
