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Titolo	Advances in Additive Manufacturing, Modeling Systems and 3D Prototyping : Proceedings of the AHFE 2019 International Conference on Additive Manufacturing, Modeling Systems and 3D Prototyping, July 24-28, 2019, Washington D.C., USA / / edited by Massimo Di Nicolantonio, Emilio Rossi, Thomas Alexander
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Descrizione fisica	1 online resource (673 pages)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 975
Disciplina	620.0042
Soggetti	Manufactures Computer-aided engineering Cooperating objects (Computer systems) Engineering design Control engineering Robotics Automation Computer simulation Machines, Tools, Processes Computer-Aided Engineering (CAD, CAE) and Design Cyber-Physical Systems Engineering Design Control, Robotics, Automation Computer Modelling
Lingua di pubblicazione	Inglese
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Sommario/riassunto	This book discusses the latest advances in digital modeling systems (DMSs) and additive manufacturing (AM) technologies. It covers applications of networked technologies, ubiquitous computing, new materials and hybrid production systems, discussing how they are

changing the processes of conception, modeling and production of products and systems of product. The book emphasizes ergonomic and sustainability issues, as well as timely topics such as DMSs and AM in Industry 4.0, DMSs and AM in developing countries, DMSs and AM in extreme environments, thus highlighting future trends and promising scenarios for further developing those technologies. Based on the AHFE 2019 International Conference on Additive Manufacturing, Modeling Systems and 3D Prototyping, held on July 24-28, 2019, in Washington D.C., USA, the book is intended as source of inspiration for researchers, engineers and stakeholders, and to foster interdisciplinary and international collaborations between them.