

1. Record Nr.	UNINA9910482868203321
Autore	Pelz Peter F
Titolo	Uncertainty in Mechanical Engineering : Proceedings of the 4th International Conference on Uncertainty in Mechanical Engineering (ICUME 2021), June 7-8 2021
Pubbl/distr/stampa	Springer Nature, 2021 Cham : , : Springer International Publishing AG, , 2021 ©2021
ISBN	3-030-77256-X
Descrizione fisica	1 online resource (313 pages)
Collana	Lecture Notes in Mechanical Engineering
Altri autori (Persone)	GrochePeter
Soggetti	Technical design Statistical physics Cybernetics & systems theory Production engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This open access book reports on methods and technologies to describe, evaluate and control uncertainty in mechanical engineering applications. It brings together contributions by engineers, mathematicians and legal experts, offering a multidisciplinary perspective on the main issues affecting uncertainty throughout the complete system lifetime, which includes process and product planning, development, production and usage. The book is based on the proceedings of the 4th International Conference on Uncertainty in Mechanical Engineering (ICUME 2021), organized by the Collaborative Research Center (CRC) 805 of the TU Darmstadt, and held online on June 7–8, 2021. All in all, it offers a timely resource for researchers, graduate students and practitioners in the field of mechanical engineering, production engineering and engineering optimization.