

1. Record Nr.	UNINA9910484993403321
Titolo	Handbook of Uncertainty Quantification [[electronic resource] /] / edited by Roger Ghanem, David Higdon, Houman Owhadi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-319-11259-7
Descrizione fisica	1 online resource (1000 p. 100 illus. in color.)
Disciplina	519.2
Soggetti	Probabilities Applied mathematics Engineering mathematics Statistics Probability Theory and Stochastic Processes Mathematical and Computational Engineering Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The topic of Uncertainty Quantification (UQ) has witnessed massive developments in response to the promise of achieving risk mitigation through scientific prediction. It has led to the integration of ideas from mathematics, statistics and engineering being used to lend credence to predictive assessments of risk but also to design actions (by engineers, scientists and investors) that are consistent with risk aversion. The objective of this Handbook is to facilitate the dissemination of the forefront of UQ ideas to their audiences. We recognize that these audiences are varied, with interests ranging from theory to application, and from research to development and even execution.