

1. Record Nr.	UNINA9910484118503321
Titolo	18th International Probabilistic Workshop : IPW 2020 // edited by José C. Matos, Paulo B. Lourenço, Daniel V. Oliveira, Jorge Branco, Dirk Proske, Rui A. Silva, Hélder S. Sousa
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-73616-4
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XVI, 855 p. 350 illus., 230 illus. in color.)
Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 153
Disciplina	624.171
Soggetti	Civil engineering Probabilities Industrial management Financial risk management Civil Engineering Applied Probability Industrial Management Risk Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This volume presents the proceedings of the 18th International Probabilistic Workshop (IPW), which was held in Guimarães, Portugal in May 2021. Probabilistic methods are currently of crucial importance for research and developments in the field of engineering, which face challenges presented by new materials and technologies and rapidly changing societal needs and values. Contemporary needs related to, for example, performance-based design, service-life design, life-cycle analysis, product optimization, assessment of existing structures and structural robustness give rise to new developments as well as accurate and practically applicable probabilistic and statistical engineering methods to support these developments. These proceedings are a valuable resource for anyone interested in contemporary developments in the field of probabilistic engineering applications.

