

1. Record Nr.	UNINA9910792068603321
Autore	Willink Robin <1961->
Titolo	Measurement uncertainty and probability / / Robin Willink [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2013
ISBN	1-107-23583-9 1-139-61618-8 1-139-62548-9 1-139-61060-0 1-139-60893-2 1-139-13508-2 1-139-61246-8 1-299-25771-2
Descrizione fisica	1 online resource (xvii, 276 pages) : digital, PDF file(s)
Classificazione	SCI055000
Disciplina	519.2
Soggetti	Measurement uncertainty (Statistics) Probabilities
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Foundational ideas in measurement -- Components of error or uncertainty -- Foundational ideas in probability and statistics -- The randomization of systematic errors -- Beyond the standard confidence interval -- Final preparation -- Evaluation using the linear approximation -- Evaluation without the linear approximation -- Uncertainty information fit for purpose -- Measurement of vectors and functions -- Why take part in a measurement comparison? -- Other philosophies -- An assessment of objective Bayesian methods -- Guide to the expression of uncertainty in measurement -- Measurement near a limit, an insoluble problem?
Sommario/riassunto	A measurement result is incomplete without a statement of its 'uncertainty' or 'margin of error'. But what does this statement actually tell us? By examining the practical meaning of probability, this book discusses what is meant by a '95 percent interval of measurement uncertainty', and how such an interval can be calculated. The book

argues that the concept of an unknown 'target value' is essential if probability is to be used as a tool for evaluating measurement uncertainty. It uses statistical concepts, such as a conditional confidence interval, to present 'extended' classical methods for evaluating measurement uncertainty. The use of the Monte Carlo principle for the simulation of experiments is described. Useful for researchers and graduate students, the book also discusses other philosophies relating to the evaluation of measurement uncertainty. It employs clear notation and language to avoid the confusion that exists in this controversial field of science.

2. Record Nr.	UNISA996204951903316
Titolo	Forestry & British timber
Pubbl/distr/stampa	Glasgow, : Benn Bros. Ltd., ©1976-©2007
Descrizione fisica	1 online resource
Soggetti	Lumbering - Great Britain Forests and forestry - Great Britain Forests and forestry Lumbering Bosbouw Houtindustrie Periodicals. Great Britain
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Published: Kent [England] : Miller Freeman UK Ltd, <1999->; CMP Information Ltd., -2007. Title from cover.

