

1. Record Nr.	UNINA9910463446903321
Titolo	Language and discipline perspectives on academic discourse [[electronic resource] /] / edited by Kjersti Flottum
Pubbl/distr/stampa	Newcastle-upon-Tyne, : Cambridge Scholars, 2007
ISBN	1-4438-1024-X
Descrizione fisica	1 online resource (288 p.)
Altri autori (Persone)	FlottumKjersti
Disciplina	401.41
Soggetti	Scholars - Language Academic language Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Conference proceedings.
Nota di contenuto	TABLE OF CONTENTS; PREFACE AND ACKNOWLEDGEMENTS; PART I; CHAPTER ONE; CHAPTER TWO; CHAPTER THREE; PART II; CHAPTER FOUR; CHAPTER FIVE; CHAPTER SIX; CHAPTER SEVEN; PART III; CHAPTER EIGHT; CHAPTER NINE; CHAPTER TEN; CHAPTER ELEVEN; CHAPTER TWELVE; CHAPTER THIRTEEN; LIST OF CONTRIBUTORS
Sommario/riassunto	This book represents the physical outcome of the symposium "Academic Voices in Contrast", organised at the University of Bergen, Norway, in May 2006. The symposium, focusing on recent research within the field of academic discourse, was initiated and organised by the KIAP project (Cultural Identity in Academic Prose; see www.uib.no/kiap/). In this project, a special focus has been put on the study of the voice(s) of the academic author, in the doubly contrastive perspective of language and di...

2. Record Nr.	UNINA9910811366903321
Autore	Waterkotte Bjorn
Titolo	Development of methods for directed and structured immobilization of biomolecules // von Bjorn Waterkotte
Pubbl/distr/stampa	Gottingen, [Germany] : , : Cuvillier Verlag, , 2013 ©2013
ISBN	3-7369-4532-9
Descrizione fisica	1 online resource (253 pages) : illustrations
Disciplina	574.19283
Soggetti	Biomolecules
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.

3. Record Nr.	UNINA9910299858603321
Autore	Ratcliffe Colin
Titolo	Doubt-Free Uncertainty In Measurement : An Introduction for Engineers and Students // by Colin Ratcliffe, Bridget Ratcliffe
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-12063-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (98 p.)
Disciplina	530.8 620 658.5 658.56
Soggetti	Quality control Reliability Industrial safety Physical measurements Measurement Engineering economy Quality Control, Reliability, Safety and Risk Measurement Science and Instrumentation Engineering Economics, Organization, Logistics, Marketing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	""Preface""; ""Contents""; ""Chapter 1""; ""Terminology""; ""Measurand""; ""True Value""; ""True Value and Uncertainty Interval""; ""Confidence, Significance and Coverage Factor (k-factor)""; ""Type A and Type B Uncertainties""; ""Systematic and Random Uncertainties""; ""Is it an Error or an Uncertainty? ""; ""Elemental Uncertainties ""; ""Calibration""; ""Measured or Calculated Quantities? ""; ""Propagation of Uncertainty""; ""Standard Uncertainty and Expanded Uncertainty""; ""Root Sum of the Squares (RSS)""; ""The Big Picture""; ""Chapter 2""; ""Type A and Type B Elemental Uncertainties"" ""Random Uncertainty""""Repeatable, or Systematic, Uncertainty"";

""Type A and Type B Elemental Uncertainty""; ""Sources of Elemental
 Uncertainty ""; ""Accuracy-Pandora's Box? ""; ""Final reminder "";
 ""Chapter 3""; ""Standard Uncertainty of a Measurement""; ""Finding the
 Standard Uncertainty when an Uncertainty Is Quoted at a Certain Level
 of Confidence""; ""Finding the Standard Uncertainty when an Elemental
 Uncertainty Is Given as a Standard Deviation with No Information About
 the Sample Size""
 ""Finding the Standard Uncertainty when the Uncertainty Is Given as a
 Standard Deviation and the Sample Size Is also Given""""Finding the
 Standard Uncertainty when the Elemental Uncertainty has a Known
 Statistical Distribution""; ""Combining Several Standard Uncertainties to
 find the Standard Uncertainty for a Single Measured Quantity"";
 ""Chapter 4""; ""Expanded Uncertainty of a Measurement and an
 Uncertainty Budget for a Single Measurement""; ""Expanded Uncertainty,
 U""; ""Example""; ""Changing the Level of Confidence""; ""An Uncertainty
 Budget""; ""Chapter 5""
 ""Propagation of Uncertainty & An Uncertainty Budget Example""""
 General Principles""; ""Absolute and Relative Uncertainty""; ""Uncertainty
 Budgeta€?How to Use the Uncertainty Analysis to Improve the Accuracy
 of a Measurement Process""; ""Uncertainty Budget Example: Radiation
 Heat Transfer""; ""Conclusions""; ""Earlier Examples Revisited"";
 ""Chapter 6""; ""Sensitivity by Perturbation""; ""Returning to the CNC
 Cooling Fluid Problem""; ""Case Study""; ""A Fully Worked Example
 Developing the Uncertainty Analysis for a Process, Including a
 Discussion of Uncertainty Budgets""
 ""The Big Picture """"Description of the Experiment to Measure Viscosity
 ""; ""Measurements ""; ""Uncertainty Analysis ""; ""Transducer
 Uncertainty ""; ""Summary of Transducer Standard Uncertainties "";
 ""Uncertainty of Measurement ""; ""Propagation of Uncertainty "";
 ""Uncertainty Budgets ""; ""Uncertainty Budget Summary "";
 ""Appendix""; ""The Mathematics of Resolution and Truncation "";
 ""Derivation of the Standard Uncertainty When Using the Full-Resolution
 ""; ""Derivation of the Standard Uncertainty When Using the Half-
 Resolution ""
 ""Derivation of the Standard Uncertainty When Values Are Truncated ""

Sommario/riassunto

This volume presents measurement uncertainty and uncertainty budgets in a form accessible to practicing engineers and engineering students from across a wide range of disciplines. The book gives a detailed explanation of the methods presented by NIST in the "GUM" – Guide to Uncertainty of Measurement. Emphasis is placed on explaining the background and meaning of the topics, while keeping the level of mathematics at the minimum level necessary. Dr. Colin Ratcliffe, USNA, and Bridget Ratcliffe, Johns Hopkins, develop uncertainty budgets and explain their use. In some examples, the budget may show a process is already adequate and where costs can be saved. In other examples, the budget may show the process is inadequate and needs improvement. The book demonstrates how uncertainty budgets help identify the most cost effective place to make changes. In addition, an extensive fully-worked case study leads readers through all issues related to an uncertainty analysis, including a variety of different types of uncertainty budgets. The book is ideal for professional engineers and students concerned with a broad range of measurement assurance challenges in applied sciences. This book also: Facilitates practicing engineers' understanding of uncertainty budgets, essential to calculating cost-effective savings to a wide variety of processes contingent on measurement Presents uncertainty budgets in an accessible style suitable for all undergraduate STEM courses that include a laboratory component Provides a highly adaptable supplement to graduate

textbooks for courses where students' work includes reporting on experimental results Includes an expanded case study developing uncertainty from transducers through measurands and propagated to the final measurement that can be used as a template for the analysis of many processes Stands as a useful pocket reference for all engineers and experimental scientists.
