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Autore	Kozlova Maria
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Nota di contenuto	Cover -- Endorsements -- Half Title -- Series -- Title -- Copyright -- Dedication -- Contents -- List of figures -- List of tables -- List of contributors -- Foreword: Does it need to be this way? -- Preface -- Acknowledgements -- Part I Introduction -- 1 Methodological landscape of sensitivity analysis and the place of SimDec -- 2 SimDec algorithm and guidelines for its usage and interpretation -- 3 Overview of SimDec applications -- Part II Applications: Business -- 4 Unlocking actionability in financial modelling with Simulation Decomposition -- 5 Unpacking the role of contextual factors in public support for mitigating revenue risk in public-private partnership projects -- 6 Printing homes: unit cost estimation for additive manufacturing in construction -- 7 Where should we go? Deep tech market entry decisions through the lens of uncertainty -- Part III Applications: Environment -- 8 Uncertainty considerations in life cycle assessment of COVID-19 masks: single-use versus reusable -- 9 Model fidelity analysis for sequential decision-making systems using Simulation

Decomposition: case study of critical mineral exploration -- 10
Upgrading the toolbox of techno-economic assessment with SimDec: power-to-X case -- Part IV Applications: Engineering -- 11 Capturing multi-dimensional nonlinear behaviour of a steel structure reliability model - global sensitivity analysis -- 12 Sensitivity analysis of a superconducting magnet design model -- Part V Applications: Behavioural science -- 13 New level of personal decision-making: day-to-day choices with SimDec -- Epilogue -- Afterword: SimDec meets SIPmath -- Index.

Sommario/riassunto

This book, the first to articulate the ubiquitous applicability of Simulation Decomposition (SimDec) and written by the leading proponents of the technique, provides the necessary background to fully understand the underlying approach and then demonstrates its applicability to a wide spectrum of fields.
