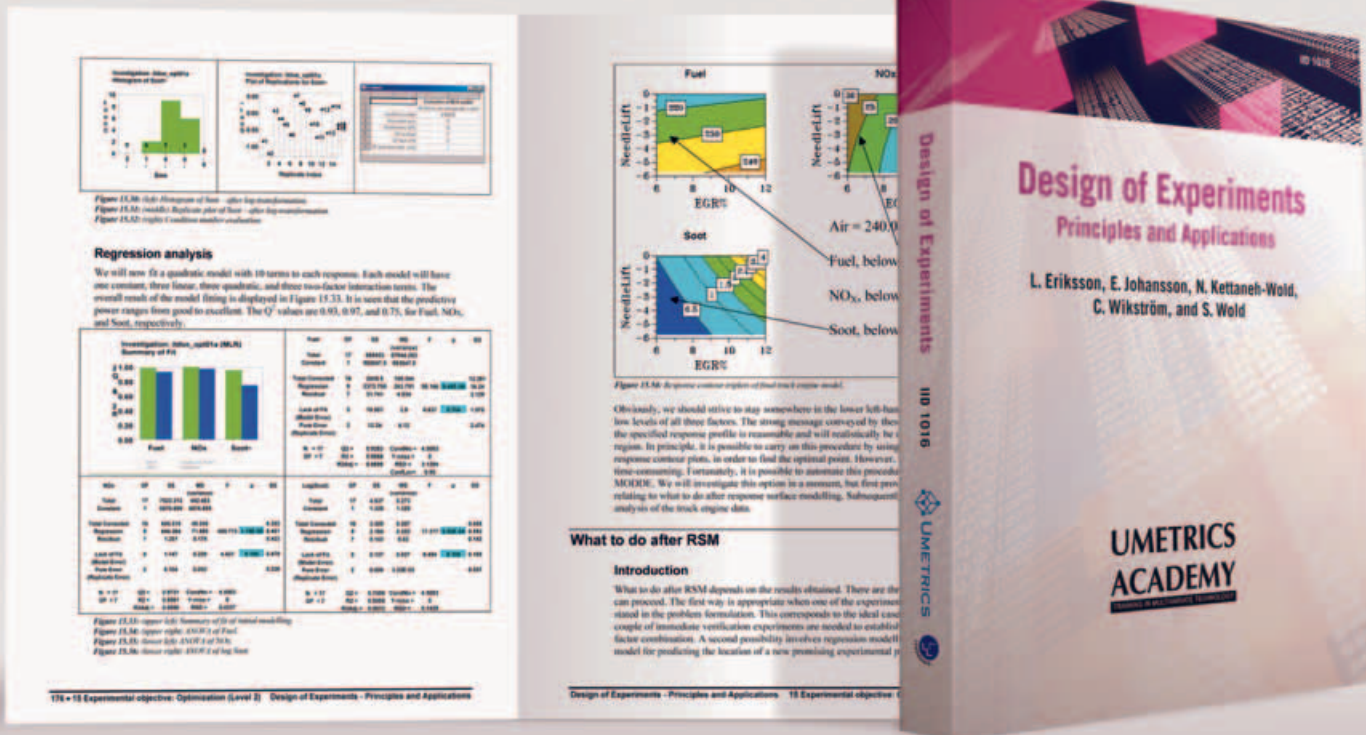


Design of Experiments

Principles and Applications

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How to Optimize Products and Processes

“Which combination of factors will give the best car engine at low cost, with low fuel consumption and minimal pollution?”

A usually complex and costly experimental situation is easily resolved with Design of Experiments (DOE). All factors are considered in a minimal number of experiments, and the results are verified with recognized statistical methods. The book describes the method in its simple basis and adds valuable examples from a variety of application areas. The authors provide their detailed analyses and offer solutions, with the graphical presentation that is the trademark of Umetrics software MODDE™.

“Design of Experiments: Principles and Applications” is 329 pages and the contents range from beginner’s level with initial screening all the way up to complex mixtures. The authors are experts in Design of Experiments and have a vast experience of application areas from years of consulting and lecturing at Umetrics.

“For newcomers in the field of experimental design the book is very useful.”
“The book gives a detailed introduction to the principles of experimental design and gives excellent illustrations of the use of the MODDE software as an integrated tool in design and analysis of experiments.”
Rolf Carlson in Journal of Chemometrics, 15, 2001, 495-496



Content of “Design of Experiments: Principles and Applications”

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3 Introduction (Part 3)

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