



## Integrated Life-Cycle and Risk Assessment for Industrial Processes (Advanced Methods in Resource & Waste Management)

*By Guido Sonnemann, Michael Tsang, Francesc Castells, Marta Schuhmacher*

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### **Review**

"The book prepares the reader for a deeper understanding of LCA and ERA, their similarities and differences in methodology, and domain of application. The strength of this book clearly lies in cases where dominant contributions to the overall impact or damage come from one or a few well known processes for which conditions of receiving environments can be known. Here, the integration of ERA and LCA can provide impact or damage predictions which are much better in accordance with what actually happens. Overall, the book provides a good introduction to LCA and ERA, and some interesting work on the integration of the two. Its main message concerns the possibilities and relevance of site-specific and site-dependent risk assessment, not just for individual processes but also for shorter industrial process chains" Associate Prof. Dr. Michael Hauschild, Dept. of Manufacturing Engineering and Management, Technical University of Denmark "I enthusiastically welcome Integrated Live-Cycle and Risk Assessment for Industrial Processes. In this book Guido Sonnemann, Francesc Castells and Marta Schuhmacher provide not only an updated introduction to life-cycle assessment, but also to risk assessment. While they demonstrate the potential for a further integration of these two approaches, they also show the limits and constraints. I certainly agree with them on the usefulness and need for a toolbox comprised of varied environmental system analysis methods and approaches." Mary Ann Curran, U.S. EPA, from the Foreword

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