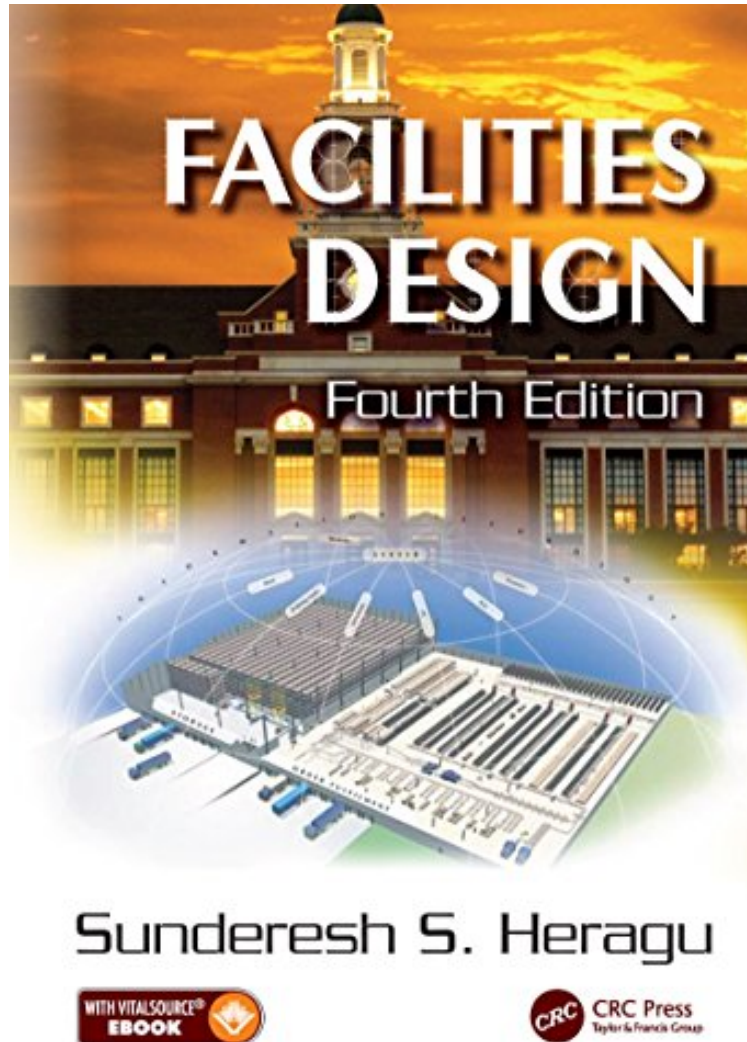


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Facilities Design, Fourth Edition

Sunderesh S. Heragu

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Sunderesh S. Heragu : Facilities Design, Fourth Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Facilities Design, Fourth Edition:

Now in Its Fourth Edition: Your Guide to Successful Facility Design Overcome design and planning problems using the fourth edition of Facilities Design. Dedicated to the proper design, layout, and location of facilities, this definitive guide outlines the main design and operational problems that occur in manufacturing and service systems, explains the significance of facility design and planning problems, and describes how mathematical models can be used to help analyze and solve them. Combining theory with practice, this revised work presents state-of-the-art topics in materials

handling, warehousing, and logistics along with real-world examples that emphasize the importance of modeling and analysis when determining a solution to complex facility design problems. What's New in the Fourth Edition: The latest version introduces new material that includes handling equipment and systems, and presents relevant case studies in each and every chapter. It also provides access to Layout-iQ software, data files for many of the numerical examples that are contained throughout the book, and PowerPoint files for various chapters. Additionally, the author: Describes tools commonly used for presenting layout designs Presents traditional models for facility layout including the popular systematic layout planning (SLP) model in detail Provides a layout project involving the SLP model Covers group technology and cellular manufacturing at the elementary level Includes a project and case study on machine grouping and layout Considers next-generation factory layouts Discusses analytical queuing and queuing network models, and more

Facilities Design, Fourth Edition explains the ins and outs of facility planning and design. A reference for both student and professional, the book addresses facilities design and layout problems in manufacturing systems and covers layout, logistics, supply chain, warehousing, and materials handling. Please visit the author's website for ancillary materials: <http://sundere.okstate.edu/downloadable-software-programs-and-data-files>.

... provides a rigorous, and yet succinct coverage of the modelling, analysis, and design of facilities. The book uses simple to understand language and provides illustrative case studies... The provision of software tools for layout, location, materials handling, warehousing, and other problems also make the book highly useful in helping students understand the practical aspects of implementing concepts covered in the book." Herbert Mapfira, University of Botswana, Mechanical Manufacturing Engineering

About the Author Sunderesh S. Heragu is a Regents Professor and head of the School of Industrial Engineering and Management at Oklahoma State University, Stillwater. Previously, he was a professor in the Industrial Engineering Department at the University of Louisville, Kentucky. He was on the faculty of Industrial and Systems Engineering (previously called the Decision Sciences and Engineering Systems) department at Rensselaer Polytechnic Institute from 1991 to 2004. He has also taught at the State University of New York, Plattsburgh. He completed his BE in mechanical engineering at Malnad College of Engineering, Hassan, India; MBA at the University of Saskatchewan, Saskatoon, Canada, and PhD in industrial engineering at the University of Manitoba, Winnipeg, Canada.