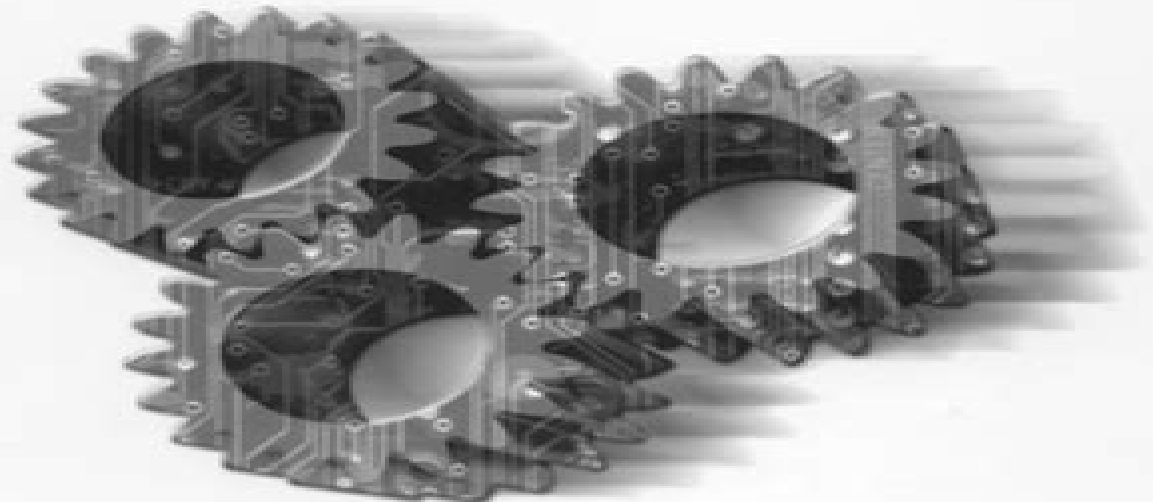


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organization training and management Mechatronics and the Design of Intelligent Machines and Systems reflects the significant areas of development in mechatronics and focuses on the higher level approaches needed to support the design and implementation of mechatronic systems Throughout the book the authors emphasize the importance of systems integration Each chapter deals with a particular aspect of the design and development process from the specification of the system to software design and from the human machine interface to the requirements for safe operation and effective manufacture Notable among this text s many features is the use of a running case study the autonomous and robotic excavator LUCIE to illustrate points made in various chapters This combined with the authors clear prose systematic organization and generous use of examples and illustrations provides students with a firm understanding of mechatronics as a discipline some of the problems encountered in its various areas and the developing techniques used to solve those problems

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