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Sommario/riassunto	This volume elaborates on various corrosion processes in different applications and their prevention strategies. It comprehensively covers the principles of corrosion, engineering issues, methods of corrosion protection and defines corrosion processes and control in select aggressive end industrial environments. The contents especially focus on corrosion issues in nuclear, aerospace, marine, high temperature, bioimplants, automobile, and addresses the application of advanced materials to mitigate them. A special section on corrosion prevention strategies with innovative solutions to resolve corrosion issues in various environments is the highlight of this book. This volume will be a useful guide for those in research, academia and industry, particularly to know state of art in corrosion control and prevention for various practical applications.