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Collana	Topics in Safety, Risk, Reliability and Quality, , 1566-0443 ; ; 30
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Soggetti	Engineering geology Engineering—Geology Foundations Hydraulics Statistics Transportation Management Industrial management Assessment Geoengineering, Foundations, Hydraulics Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences Innovation/Technology Management Assessment, Testing and Evaluation
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	From the Contents: Preface -- Introduction -- Methods of assessing integrity pipeline systems with different types of defects -- Basics of in-line inspection (ILI) of pipelines -- Methods of ILI results analysis -- Deterministic and stochastic models of corrosion type defects growth.
Sommario/riassunto	The book contains solutions to fundamental problems which arise due to the logic of development of specific branches of science, which are related to pipeline safety, but mainly are subordinate to the needs of pipeline transportation. The book deploys important but not yet

solved aspects of reliability and safety assurance of pipeline systems, which are vital aspects not only for the oil and gas industry and, in general, fuel and energy industries , but also to virtually all contemporary industries and technologies. The volume will be useful to specialists and experts in the field of diagnostics/ inspection, monitoring, reliability and safety of critical infrastructures. First and foremost, it will be useful to the decision making persons —operators of different types of pipelines, pipeline diagnostics/inspection vendors, and designers of in-line –inspection (ILI) tools, industrial and ecological safety specialists, as well as to researchers and graduate students.