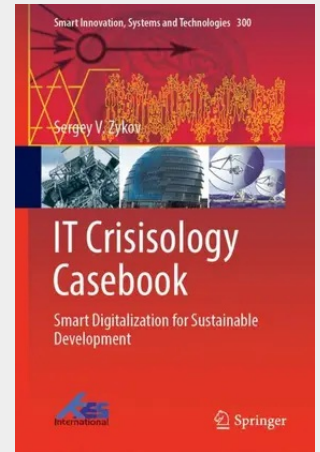


IT Crisisology Casebook

Smart Digitalization for Sustainable Development

The book focuses on the real-world case-based crisis management in digital product development. This includes forecasting, responding, and agile engineering/management methods, patterns, and practices for sustainable development. This book introduces a set of case studies for sustainability in management as a blend, the components of which have been carefully selected from a few domains adjacent to digital production such as IT-intensive operation, human resource management, and knowledge engineering, to name a few. The key ingredients of this crisis management framework include information management, tradeoff optimization, agile product development, and knowledge transfer. The case studies this book features will help the stakeholders in understanding and identifying the key technology, business, and human factors that may likely result in a digital production crisis, i.e., critically affect the organization outcomes in terms of successful digitalization and sustainable development. These factors are particularly important for the large-scale applications, typically considered very complex in managerial and technological aspects, and, therefore, specifically addressed by the discipline of IT crisisology.

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