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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Engineering Systems -- 3. Engineering Software Systems -- 4. Engineering Secure and Safe Systems, Part 1 -- 5. Secure and Safe Systems, Part 2 -- Secure and Safe Systems, Part 2 -- 6. Software Systems Security and Safety Risk -- 7. Software System Security and Safety Metrics -- 8. Software System Development Processes -- 9. Secure SSDLC Projects in Greater Detail -- 10. Safe SSDLC Projects in Greater Detail -- 11. The Economics of Software Systems' Safety and Security -- Appendices.
Sommario/riassunto	"This first-of-its-kind resource offers a broad and detailed understanding of software systems engineering from both security and safety perspectives. Addressing the overarching issues related to safeguarding public data and intellectual property, the book defines such terms as systems engineering, software engineering, security, and safety as precisely as possible, making clear the many distinctions, commonalities, and interdependencies among various disciplines. You explore the various approaches to risk and the generation and analysis of appropriate metrics. This unique book explains how processes relevant to the creation and operation of software systems should be determined and improved, how projects should be managed, and how products can be assured. You learn the importance of integrating safety and security into the development life cycle. Additionally, this practical

volume helps identify what motivators and deterrents can be put in place in order to implement the methods that have been recommended."
