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Sommario/riassunto	In recent decades, the systems designed in the fields of banking, health, transportation, space, aeronautics, defense, etc. have been becoming increasingly larger. With the growing maturity of information and communication technologies, systems have been interconnected within growing networks, yielding new services through the combination of the system functionalities. This has led to an increasing complexity that has to be managed in order to take advantage of these system integrations. Part 1: Systems of systems: concepts and practical illustrations is a multidisciplinary work on the concept of the systems-of-systems that is discussed extensively in current literature. After a critical comparison of the different definitions and a range of various

practical illustrations, it provides key answers as to what a system of systems is and how its complexity can be mastered. Part 2: Systems-of-systems engineering: methods and tools focuses on both engineering and modeling, and standardization issues which are critical in order to deal with the key steps of systems-of-systems engineering: elicitation of stakeholders needs, architecture optimization, integration of constituent systems, qualification and utilization.
