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Nota di contenuto	Introduction to mission critical systems and its requirements / Ashraf A. Ali, Khalid Al-Begain -- IP multimedia subsystem and SIP signaling performance metrics / Ashraf A. Ali, Khalid Al-Begain -- Session initiation and IP multimedia subsystem performance evaluation / Ashraf A. Ali, Khalid Al-Begain -- Performance metrics for SIP-based VoIP applications over DMO / Mazin I. Alshamrani, Ashraf A. Ali -- QoS and performance evaluation for SIP-based VoIP over DMO / Mazin I. Alshamrani, Ashraf A. Ali -- Ultra-high-definition video transmission for mission-critical communication systems applications: challenges and solutions / Anthony Olufemi Tesimi Adeyemi-Ejeye [and 4 others] -- Quality of experience (QoE) for wireless video over critical communication systems / Emad Danish, Mazin I. Alshamrani -- QoE-driven efficient resource utilisation for video over critical communication systems / Emad Abdullah Danish, Mazin I. Alshamrani -- Streaming coded video in P2P networks / Muhammad Salman Raheel, Raad Raad -- Quantifying QoS in heterogeneous networks: a generalized metric-based approach / Farnaz Farid, Seyed Shahrestani, Chun Ruan -- Advanced retransmission protocols for critical wireless communications / Salima El Makhtari [and 3 others] -- Security in mission critical communication systems: approach for intrusion

detection / Karen Medhat, Rabie A. Ramadan, Ihab Talkhan.

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Sommario/riassunto

"In emergency and disaster scenarios, it is vital to have a stable and effective infrastructure for relaying communication to the public. With the advent of new technologies, more options are available for enhancing communication systems. [This book] is a comprehensive source of academic research on the challenges and solutions in creating stable mission critical systems and examines methods to improve system architecture and resources. Highlighting innovative perspectives on topics such as quality of service, performance metrics, and intrusion detection, this book is ideally designed for practitioners, professionals, researchers, graduate students, and academics interested in public safety communication systems"--Provided by publisher.

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