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Nota di contenuto	Preface -- Automated Radio Monitoring Systems for Communication, Broadcasting and TV Systems -- Automated Systems for Unauthorized Radio Emission Revelation -- The SMO-ARMADA Software -- Engineering-Technical Infrastructure -- Digital Radio Receivers and Direction-Finders -- Measurement of Radio Signal and Interference Parameters -- Localization of Radio Emission Sources -- Monitoring of TV and Broadcasting Signals -- Identification of Digital Sources of Radio Emission -- Conclusion.
Sommario/riassunto	This book discusses the architecture of modern automated systems for spectrum monitoring including automation components: technical means for spectrum monitoring, special software and engineering infrastructure. The problems of automated system development for search and localization of unauthorized radio emission sources in open localities, mathematical methods and algorithms for modulation of

parameter measurements for wireless communication as well as issues of identification and localization of radio emission sources are considered. Constructive solutions and modern technical means for radio monitoring and their application are given. Numerous examples are described for the implementation of automated systems, digital radio receivers and radio direction-finders, analyzers of parameters for GSM, CDMA, LTE, DVB-T/T2, Wi-Fi, DMR, P25, TETRA and DECT signals. Practical implementations of the described methods are presented in applied software packages and in radio monitoring equipment.