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| 1. Record Nr.           | UNINA9910830627203321   |
| Autore                  | Noy Edward A  |
| Titolo                  | Building surveys and reports [[electronic resource] /] / Edward A. Noy  |
| Pubbl/distr/stampa      | Oxford ; ; Malden, MA, : Blackwell Pub., 2005   |
| ISBN                    | 1-280-74791-9<br>9786610747917<br>0-470-98452-X<br>0-470-75946-1<br>1-4051-7169-3   |
| Edizione                | [3rd ed.]   |
| Descrizione fisica      | 1 online resource (434 p.)  |
| Altri autori (Persone)  | DouglasJames  |
| Disciplina              | 690.21<br>690/.21   |
| Soggetti                | Building inspection<br>Buildings - Defects  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references (p. [387]-411) and index.   |
| Nota di contenuto       | Building Surveys and Reports; Contents; Preface to Second Edition; Preface to Third Edition; Acknowledgements; 1 General Principles and Responsibilities; 1.1 What is a building survey?; 1.2 Housing quality initiatives; 1.3 The purpose of the survey; 1.4 Building condition assessment; 1.5 Surveyor's responsibilities; 1.6 Contracts and fees; 2 Procedure and Equipment; 2.1 Basic survey methodology; 2.2 Preliminary operations; 2.3 Property risks; 2.4 Equipment for measured drawing surveys; 2.5 Equipment for examining defects; 3 Measurement of Existing Buildings; 3.1 Preliminaries<br>3.2 Internal measuring<br>3.3 Roof space; 3.4 External measuring; 3.5 Levelling; 3.6 Plotting the survey; 4 Surveys of Historic Buildings; 4.1 General considerations; 4.2 Medieval churches; 4.3 Church towers; 4.4 Church bells and fittings; 4.5 Measured drawings; 5 Foundation Failures; 5.1 Introductory; 5.2 Causes of failure; 5.3 Differential movement; 5.4 Inadequate foundations; 5.5 Overloading; 5.6 Unequal settlement; 5.7 Effect of tree roots; 5.8 Shallow foundations; 5.9 Building on sloping sites; 5.10 Building on made up ground; 5.11 Diagnosis; 6 Defective Walls and Partitions Above Ground |

6.1 Type of failure; 6.2 Bulging and leaning walls; 6.3 Overloading; 6.4 Thermal and moisture movement; 6.5 Failure in arches and lintels; 6.6 Defective materials and chemical action; 6.7 Failure in bonding and defects at junctions; 6.8 Frost failure; 6.9 Cavity walls; 6.10 Built-in iron and steel members; 6.11 Tile and slate hanging and weatherboarding; 6.12 Partitions; 6.13 Assessment of cracks; 6.14 Natural stone masonry; 6.15 Sedimentary rocks; 6.16 Igneous rocks; 6.17 Metamorphic rocks; 6.18 Defects in stonework; 6.19 Cast stone; 6.20 Recording defects

7 Reinforced Concrete, Cladding Materials and Structural Steelwork  
REINFORCED CONCRETE; 7.1 Description; 7.2 Corrosion and cracking; 7.3 Aggregates; 7.4 High alumina cement; 7.5 Thermal expansion; 7.6 Frost damage; 7.7 Electrolytic action; 7.8 Lightweight aggregates; 7.9 Deflection; 7.10 Diagnosis; 7.11 Brick panel walls in RC frames; 7.12 No-fines concrete housing; 7.13 Autoclaved aerated concrete; CLADDING MATERIALS; 7.14 Description; 7.15 Cladding defects; 7.16 Joint problems; 7.17 Metallic fasteners; STRUCTURAL STEELWORK; 7.18 Description; 7.19 Diagnosis

8 Damp Penetration and Condensation  
8.1 Description; 8.2 Damp courses; 8.3 Diagnosis; RISING DAMP FROM THE GROUND; 8.4 Solid walls with DPC absent or defective; 8.5 Stone walls in older buildings; 8.6 Basement walls and floors; 8.7 Heaped earth or paving against walls and bridging of rendering; 8.8 Internal partitions; 8.9 Rising damp in ground floors; 8.10 Rising damp in old timber framed buildings; PENETRATING DAMP THROUGH WALLS; 8.11 Locating damp penetration; 8.12 Parapet walls; 8.13 Cavity walls; EXTRANEIOUS CAUSES; 8.14 Leaks in plumbing systems; CONDENSATION; 8.15 Description  
8.16 Causes

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### Sommario/riassunto

This book deals with structural surveys for all types of building - domestic industrial and commercial - and includes diagnosis of a wide range of defects. It considers both modern and older construction methods, and deals with the particular problems of alterations and restoration work. Guidance is given on how to carry out measured surveys and on report writing. The third edition covers the latest definitions of types of property surveys, more information on report writing and a range of detail updates. \* Covers all types of building - commercial, industrial and historical - not just domes

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| 2. Record Nr.           | UNINA9910484802703321   |
| Titolo                  | Communications and Networking : 15th EAI International Conference, ChinaCom 2020, Shanghai, China, November 20-21, 2020, Proceedings // edited by Honghao Gao, Pingyi Fan, Jun Wun, Xue Xiaoping, Jun Yu, Yi Wang   |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021   |
| ISBN                    | 3-030-67720-6   |
| Edizione                | [1st ed. 2021.]   |
| Descrizione fisica      | 1 online resource (XV, 789 p. 392 illus., 293 illus. in color.)   |
| Collana                 | Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-822X ; ; 352  |
| Disciplina              | 004.6   |
| Soggetti                | Computer networks<br>Computer engineering<br>Data structures (Computer science)<br>Information theory<br>Computer science - Mathematics<br>Computer Communication Networks<br>Computer Engineering and Networks<br>Data Structures and Information Theory<br>Mathematics of Computing<br>Xarxes d'ordinadors<br>Enginyeria de programari<br>Teoria de la informació<br>Informàtica<br>Xarxes de comunicacions<br>Matemàtica discreta<br>Llibres electrònics |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Includes index.   |
| Nota di contenuto       | Transmission Optimization in Edge Computing -- 1 DOA Estimation Based on Intelligent FMCW Radar With Triangle Array Antenna -- Multi-Modulation Scheme for RFID-based Sensor Networks -- Beam-based   |

Secure Physical Layer Key Generation for mmWave Massive MIMO System -- Weighted Sum Rate Maximization for NOMA-based UAV Networks -- Placement optimization for UAV-Enabled Wireless Power Transfer System -- Activate Cost-effective Mobile Crowd Sensing with Multi-Access Edge Computing -- Performance and Scheduling Optimization in Edge Computing -- A Survey on Security and Performance Optimization of Blockchain -- Performance Analysis of Blockchain-Based Internet of Vehicles Under the DSRC Architecture -- Cache-Aided Multi-Message Private Information Retrieval -- Evaluation of Dynamic Scheduling for Data Collection in Medical Application using Firefly Synchronization Algorithm -- Energy Efficient Scheduling and Time-Slot Sharing for Hyper-Dense D2D Networks Using mmWave -- Adaptive Hybrid MAC Protocol with Novel MOB Backoff Scheme for Massive M2M Communications -- Transmission Optimization in Edge Computing -- Deep Learning -- Transmission and Load Balancing -- Scheduling and Security in 5G -- A MIMO Channel Measurement System Based on Delay -- Lines and Simulations Based on Graph Modling -- A DNN-based WiFi-RSSI Indoor Localization Method in IoT -- A Downlink Scheduling Algorithm Based on Network Slicing for 5G -- Software Defined Unicast/Multicast Jointed Routing for Real-time Data Distribution -- Interference Coordination Using Cell Cluster for 5G Dynamic TDD System -- CPP-Based Cooperative Defense Against DoS Attacks in Future Non-terrestrial Networks Mobile Edge Network System -- Location-based Multi-Site Coordination Beam Tracking for Vehicle mmWave Communications -- Content-Aware Proactive Caching and Energy-Efficient Design in Clustered Small Cell Networks -- Land cover classification and accuracy evaluation based on object-oriented spatial features of GF-2 -- A Signaling Monitor Scheme of RRC Protocol in 5G Road Tester -- Snoop through Traffic Counters to Detect Black Holes in Segment Routing Networks -- Network Select in 5G Heterogeneous Environment by M-F-U Hybrid Algorithm -- Communication Routing and Control -- Channel Estimation Algorithm Based on Demodulation Reference Signal in 5G -- Constrained Multipath Routing Algorithm Based On Satellite Network -- Container Performance Prediction: Challenges and Solutions -- A Random Access Control Scheme for a NOMA-Enabled LoRa Network -- Fast power spectrum estimation with sparse learning for wideband spectrum sensing -- QoS-Guaranteed A -- P Selection Algorithm in Dense IEEE 802.11 WLANs Deep Learning -- Transmission and Load Balancing.

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### Sommario/riassunto

This proceedings constitutes the refereed proceedings of the 15th EAI International Conference on Communications and Networking, ChinaCom 2020, held in November 2020 in Shanghai, China. Due to COVID-19 pandemic the conference was held virtually. The 54 papers presented were carefully selected from 143 submissions. The papers are organized in topical sections on Transmission Optimization in Edge Computing; Performance and Scheduling Optimization in Edge Computing; Mobile Edge Network System; Communication Routing and Control; Transmission and Load Balancing; Edge Computing and Distributed Machine Learning; Deep Learning.

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