1. Record Nr. UNINA9910688264303321

Titolo	Emerging technologies in hydraulic fracturing and gas flow modelling / / edited by Kenneth Imo-Imo Israel Eshiet, Rouzbeh G. Moghanloo
Pubbl/distr/stampa	London, England : , : IntechOpen, , 2022
Descrizione fisica	1 online resource (172 pages)
Disciplina	533.2
Soggetti	Gas flow - Mathematical models Hydraulic fracturing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Production from Unconventional Petroleum Reservoirs: Precis of Stimulation Techniques and Fluid Systems -- 2. A Review of Fracturing Technologies Utilized in Shale Gas Resources -- 3. Hydraulic Fracturing in Porous and Fractured Rocks -- 4. Hydraulic Fracture Conductivity in Shale Reservoirs -- 5. Review of Geochemical and Geo-Mechanical Impact of Clay-Fluid Interactions Relevant to Hydraulic Fracturing -- 6. Mechanism, Model, and Upscaling of the Gas Flow in Shale Matrix: Revisit.
Sommario/riassunto	Emerging Technologies in Hydraulic Fracturing and Gas Flow Modelling features the latest strategies for exploiting depleted and unconventional petroleum rock formations as well as simulating associated gas flow mechanisms. The book covers a broad range of multivarious stimulation methods currently applied in practice. It introduces new stimulation techniques including a comprehensive description of interactions between formation/hydraulic fracturing fluids and the host rock material. It provides further insight into practices aimed at advancing the operation of hydrocarbon reservoirs and can be used either as a standalone resource or in combination with other related literature. The book can serve as a propaedeutic resource and is appropriate for those seeking rudimentary information on the exploitation of ultra-impermeable oil and gas reservoirs. Professionals and researchers in the field of petroleum, civil, oil and gas, geotechnical and geological engineering who are interested in the

	production of unconventional petroleum resources as well as students undertaking studies in similar subject areas will find this to be an instructional reference.

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Record Nr.	UNINA9910830820603321
Autore	Billington M. J (Michael J.)
Titolo	Means of escape from fire [[electronic resource] /] / M.J. Billington, Anthony Ferguson and A.G. Copping
Pubbl/distr/stampa	Oxford, : Blackwell Science, 2002
ISBN	1-280-74275-5 9786610742752 0-470-75845-7 1-4051-7278-9
Descrizione fisica	1 online resource (306 p.)
Altri autori (Persone)	FergusonAnthony CoppingA. G (Alexander G.)
Disciplina	628.922
Soggetti	Fire protection engineering Buildings - Evacuation Fire escapes
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 and index.
Nota di contenuto	Means of Escape from Fire; Contents; Preface; Abbreviations; Chapter 1 Means of Escape - The Background; 1.1 Introduction; 1.2 Means of escape and the building life cycle; 1.3 Means of escape and the new building; 1.4 Means of escape and the building in use; 1.5 Criticism of the current systems of control; 1.6 Means of escape - the way forward; 1.7 References; Chapter 2 New and Altered Buildings - the Statutory Requirements; 2.1 Introduction; 2.2 The Building Act 1984 and the Building Regulations 2000; 2.3 Exempted buildings and work; 2.4 The application of Building Regulations to projects 2.5 Building Regulations - control by the local authority2.6 Building Regulations - supervision otherwise than by local authorities; 2.7 The Building Act and means of escape - additional provisions; 2.8 Local

Acts of Parliament; 2.9 The London Building Acts; 2.10 Houses in multiple occupation; 2.1 1 References; Chapter 3 Buildings in Use - the Statutory Requirements; 3.1 Introduction; 3.2 Buildings in use - certification, licensing and registration of premises; 3.3 Fire certification - the Fire Precautions Act 1971 (as amended); 3.4 Certification - other statutory controls
3.5 Licensing controls3.6 Registration; 3.7 The Building Act and means of escape in existing buildings - additional provisions; 3.8 The London Building Acts; 3.9 Houses in multiple occupation; 3.10 References; Chapter 4 Means of Escape - General Principles; 4.1 Introduction; 4.2 Building use and means of warning and escape; 4.3 Management of the building and the means of escape; 4.4 Means of giving warning; 4.5 General requirements for means of escape; 4.6 References; Chapter 5 Means of Escape - Principles in Practice; 5.1 Introduction; 5.2 A strategy for design
5.3 General construction provisions5.4 References; Chapter 6 Dwellinghouses, flats and maisonettes; 6.1 Introduction; Dwellinghouses; 6.2 Fire alarm and detection systems in dwellinghouses; 6.3 Means of escape in dwellinghouses; Flats and maisonettes; 6.4 Fire alarm and detection systems in flats and maisonettes; 6.5 Means of escape in flats and maisonettes; 6.6 References; Chapter 7 Application to Buildings other than Dwellings; 7.1 Introduction; 7.2 Houses in multiple occupation; 7.3 Hostels, student halls of residence and buildings with similar uses; 7.4 Hotels and boarding houses
7.5 Residential health care premises7.6 Small premises; 7.7 Offices and other buildings with exits in a central core; 7.8 Schools and other educational buildings; 7.9 Assembly and recreation buildings; 7.10 Shopping complexes; 7.11 Means of escape and atria; 7.12 Disabled people; 7.13 References; Chapter 8 Modification of the Basic Principles of Means of Escape; 8.1 Introduction; 8.2 The evacuation process; 8.3 Is escape really the right move?; 8.4 Strategies; 8.5 Basic data on movement in escape routes; 8.6 Balancing exit capacity and travel distance
8.7 Improving the occupants' response to fire warning

Sommario/riassunto

The provision of an adequate means of escape from fire is fundamental to the design of new buildings and to the alteration, change of use or extension of existing buildings. It is essential that means of escape are considered at the earliest stage of a project as mistakes are very expensive to correct later in the design. There is a great deal of legislation on means of escape design and control, but this is scattered throughout a large number of statutes, regulations and guidance documents. Many buildings need to be licensed and/or registered, as well as requiring certification and Build