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Titolo	Mine ventilation : a concise guide for students / / Carlos Sierra
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Descrizione fisica	xii, 371 pages ; ; 24 cm
Soggetti	Adaptation (Biology) Environmental health Building construction Ecology Euthenics Nature and nurture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Fundamental Concepts of Fluid Mechanics for Mine Ventilation -- Environmental Conditions in the Mine -- Flow Rates and Pressure Measurements -- Mine Ventilation Networks -- Main Ventilation -- Fans and Flow Control Devices -- The Role of Ventilation in Fires and Explosions -- Secondary Ventilation.
Sommario/riassunto	This textbook focuses on underground ventilation, addressing both theoretical and practical aspects. Readers will develop a deeper understanding of mine ventilation and adjacent areas of research. The content is clearly structured, moving through chapters in a pedagogical way. It begins by presenting an introduction to fluid mechanics, before discussing the environmental conditions in mines, underground fire management, and international legislation concerning mines. Particular attention is paid to development ends ventilation, an area that is underrepresented in scientific research. Each chapter includes a concise theoretical summary, followed by several worked-out examples, problems and questions to develop students' skills. This textbook will be useful for undergraduate and master's degree students around the world. In addition, the large number of practical cases included make it

particularly well suited to preparing for professional engineer examinations and as a guide for practising engineers.
