## Contents

Preface		XI
Model and to the Global Inc	agement of Tailings Facilities to the ISO dustry Standard on Tailings Management s Reis and José Carlos de Oliveira	1
Chapter 2		19
Radon in Underground Mir by Purushotham Tukkaraja, and Srivatsan Jayaraman Sr	Rahul Bhargava	
Chapter 3 Intelligent Mine Periphery by Pritam Kumar Singh, Sw	Surveillance Using Microwave Radar ades Kumar Chaulya and Vinod Kumar Singh	33
Chapter 4 Quality Assessment of Inst by Andrzej Staniek	alled Rock Bolts	55
Chapter 5 Sonic Drilling with Use of a by Yuriy Zhulay and Olexiy	a Cavitation Hydraulic Vibrator Nikolayev	81
Chapter 6 SFE2D: A Hybrid Tool for S by Bahman Abbassi and Li	Spatial and Spectral Feature Extraction  Zhen Cheng	101
Kayode Ajayi, Ankit Jha, Yo	on: Research Findings , Srivatsan Jayaraman Sridharan, ong Pan, Rahul Bhargava, Gemechu Turi, and Saiprasad Sreekumar Ajitha	125