

# 弹性力学与地质力学研究新进展

## 2022年线上研讨会

2022年1月15日

香港大学土木工程系



Zoom 线上会议地址:

<https://hku.zoom.us/j/98198685235?pwd=cWs2akVSREhLQ1pMZVZsRFdiSWRIZz09>

Zoom 线上会议号码: 981 9868 5235

Zoom 线上会议密码: 880565

研讨会主持人: 岳中琦、肖洪天、刘波

报告时间	特邀报告人	特邀报告题目
8:30-9:00	所有人	开幕和欢迎交流
9:00-9:15	邓建	爆破应力波诱导矿柱岩爆的动力失稳机理
9:15-9:30	杨峻	场地竖向地震反应: 一个长期忽视的问题?
9:30-9:45	尹晓春、沈煜年	双层碳纳米管中的周向导波
9:45-10:00	艾智勇	地质力学中解析和半解析方法的若干进展
10:00-10:15	陈行威	三维功能梯度材料裂纹与位错间相互作用的理论分析框架
10:15-10:30	肖洪天	新型边界元法分析层状和梯度材料中的裂纹问题
10:30-10:45	王苏然、陈有亮	多环境因素影响的岩石宏微观力学特性及本构行为演化研究
10:45-11:00	丁言露	高压气体诱发煤岩动力破坏的实验研究
11:00-11:15	徐文杰	数字岩土 - 现状与展望
11:15-11:30	肖莎	新型边界元方法分析先进材料的弹性力学问题
11:30-11:45	尚彦军	风化壳结构三维参量化表征及其工程意义
11:45-12:00	祁生文、常中华	中国中部三峡库区附近一组厚层泥质灰岩的深度风化
12:00-14:00	所有人	讨论与午间休息
14:00-14:15	王玉杰、曹瑞琅	基于钻孔过程监测技术的岩体质量评价
14:15-14:30	高伟	全自动钻孔过程监测技术 (DPM) 在工程勘察中的发展应用研究
14:30-14:45	郑永来	饱和软土中浅埋地铁隧道衬砌渗漏引起的沉降问题
14:45-15:00	李丽慧	龙游石窟千年完整的机理研究
15:00-15:15	张中俭	中国古代工匠在火山岩中原位、定向劈裂大面积薄石板的方法
15:15-15:30	刘波、王志留 闫振东	基于煤岩力学特性的煤矿破岩新技术及巷道加固原理
15:30-15:45	许宏发	破碎岩体注浆加固强度增长理论
15:45-16:00	许国辉	水力插板桩基技术及其工程应用
16:00-16:15	刘耕云、陈有亮	基于圆孔扩张理论应变软化岩体中嵌岩桩端承载力的估算方法
16:15-16:30	李爱国、张雨晨	深圳盐田某大型滑坡全过程实时监测系统
16:30-16:45	庄宇、邢爱国	西南山区高位远程滑坡及灾害链动力致灾机理研究
16:45-17:00	曾庆利	谷坊在泥石流防治中的正负效应研究
17:00-18:00	所有人	讨论、交流与结束

# 2022 Online (zoom) Symposium of Recent Research Development in Elasticity and Geomechanics

January 15, 2022

Department of Civil Engineering, The University of Hong Kong



Zoom Meeting Address:

<https://hku.zoom.us/j/98198685235?pwd=cWs2akVSREhLQ1pMZVZsRFdiSWRIZz09>

Zoom Meeting ID: 981 9868 5235

Password: 880565

Symposium Chairmen: YUE Zhong Qi,  
XIAO Hong Tian, LIU Bo

Time	Invited Speaker	Invited Title
8:30-9:00	All	Opening and Welcome Addresses
9:00-9:15	DENG Jian	Dynamic Buckling Mechanism of Pillar Rockbursts Induced by Blasting Waves
9:15-9:30	YANG Jun	Vertical Site Response to Earthquake Loading: A Missing Issue?
9:30-9:45	YIN Xiao Chun SHEN Yun Nian	Guided Circumferential Waves in a Double-walled Carbon Nanotube
9:45-10:00	AI Zhi Yong	Several Developments of Analytical and Semi-analytical Methods in Geomechanics
10:00-10:15	CHEN Xing Wei	Theoretical Framework for Crack and Dislocation Interaction in 3D FGMs
10:15-10:30	XIAO Hong Tian	New Boundary Element Methods for Fracture Mechanics of Layered and Graded Materials
10:30-10:45	WANG Su Ran CHEN You Liang	Macro and Micro Mechanical Characteristics and Constitutive Behavior Evolution of Rocks Affected by Multiple Environmental Factors
10:45-11:00	DING Yan Lu	Experimental Study on Dynamic Rupture of Coal and Rock Caused by High-pressure Gas
11:00-11:15	XU Wen Jie	Digital Geomaterial - Research Status and Prospects
11:15-11:30	XIAO Sha	New Boundary Element Methods for Group of Elastostatic Problems in Advanced Materials
11:30-11:45	SHANG Yan Jun	3D Parametric Characterization of Weathering Crust Structure and Its Engineering Significance
11:45-12:00	QI Sheng Wen CHANG Zhong Hua	Deep Weathering of a Group of Thick Argillaceous Limestone Rocks near Three Gorges Reservoir, Central China
12:00-14:00	All	Discussions and Lunch Break
14:00-14:15	WANG Yu Jie CAO Rui Lang	Evaluation of Rock Mass Quality Based on Drilling Process Monitoring Technology
14:15-14:30	GAO Wei	Development and Application of Drilling Process Monitoring Methodology for Hydraulic Rotary Drilling in Ground Investigation
14:30-14:45	ZHENG Yong Lai	Settlements Induced by Lining Seepage of Running Metro Tunnels at Shallow Depth in Saturated Soft Soils
14:45-15:00	LI Li Hui	Design, Construction and Mechanical Behavior of Relics of Complete Large Longyou Rock Caverns Carved in Argillaceous Siltstone Ground
15:00-15:15	ZHANG Zhong Jian	Manually Directional Splitting of In-situ Intact Igneous Rocks into Thin Sheets of Large-area
15:15-15:30	LIU Bo WANG Zhi Liu YAN Zhen Dong	New Coal Breaking Technology and Roadway Reinforcement Theory based on the Mechanical Characteristics of Coal and Rock
15:30-15:45	XU Hong Fa	Strength Growth Theory of Grouting Reinforcement for Broken Rock Mass
15:45-16:00	XU Guo Hui	The Jettted Precast Concrete Sheet Pile Foundation Technique and Its Application in Engineering
16:00-16:15	LIU Geng Yun CHEN You Liang	Approach for Estimating End-Bearing Capacity of Rock-Socketed Piles in Strain-Softening Hoek-Brown Rock Mass
16:15-16:30	LI Ai Guo ZHANG Yu Chen	Full Scale Real-Time Monitoring of A Huge Landslide in Yantian, Shenzhen
16:30-16:45	ZHUANG Yu XING Ai Guo	Dynamic Characteristics of Long-runout Landslides and Associated Chain Disasters in Mountainous Region of Southwest China
16:45-17:00	ZENG Qing Li	Positive and Negative Effects of Check Dam against Debris Flow