深地科学论坛（第五十讲）：

时间：2023 年 2 月 23 日 18:00-19:30

地点：扫描二维码，免费观看

（邀请人：《深地科学（英文）》编辑部赵涛）

报告人	单位	报告题目
Dr Omar Hamza	英国德比大学	Understanding the stability of abandoned underground mines – have we got it right? 废弃地下矿井的稳定性评估

欢迎全校教师及同学参加！

深部岩土力学与地下工程国家重点实验室

《深地科学（英文）》编辑部

力学与土木工程学院

深部地下工程学科创新基地

2023. 2. 20

报告人简介：

Dr Omar Hamza is a Chartered Engineer and Fellow member of the British Institution of Civil Engineers (ICE) and Higher Education Academy (HEA) with a combination of academic and industrial experience in geotechnics.

He has been awarded and worked on several British and European research funds during his current position as a senior lecturer at the University of DERBY and previously at NOTTINGHAM and DUNDEE universities.

His research interest is primarily driven by a strong passion for multidisciplinary approaches linking his discipline (geotechnical engineering) with various branches of applied science such as geology, permafrost, mining, and soil microbiology.

In addition to his academic achievements, he successfully provided infrastructure asset management consultation and design in key engineering sectors, including Highway & Transportation, Mining, Railway & Tunnelling, Buildings, Water, and Offshore Foundation of Gas and Oil platforms.

报告摘要：

废弃的矿山和深挖场地对岩土和地质工程界提出了独一无二的挑战。这些场所可能存在重大的环境和安全风险，但也可能为低碳能源和废弃物处置提供新的解决方案。因此，必须准确评估这些场地的长期地质力学稳定性，并深入分析构成这些环境的各种荷载、材料和力学响应。

本报告将重点介绍煤系岩石破坏前后其地质力学方面的蠕变特性，同时也将探讨如何应用地质力学来开展洪水淹没煤矿场地区域的地热能开采相关的灾害评估。