中国矿业大学
CHINA UNIVERSITY OF MINING AND TECHNOLOGY

绿色智能采矿系列论坛
第十二讲

The Interplay Between Stress and Material Heterogeneity during Hydraulic Fracturing

时间：2024年10月23日10:00-11:00　地点：矿业科学中心B415会议室

邀请人：煤炭国重赵兴龙副研究员

Giovanni Grasselli,
University of Toronto

报告人简介

Giovanni Grasselli is a Professor and the NSERC/Energi Simulation Industrial Research Chair in Fundamental Petroleum Rock Physics and Rock Mechanics at the University of Toronto. Dr. Grasselli holds an undergraduate degree in Civil Engineering (1995) from the University of Parma, Italy, and a PhD in Rock Mechanics (2001) from the Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland. Before joining the University of Toronto as a faculty in 2006, he has been research fellow at the Imperial College London (UK), Sandia National Laboratories (USA) and has served as associate director at Laurentian University's Mirarco (Canada). He received the prestigious 2004 ISRM Rocha Medal, the 2019 CGS' John A. Franklin Award in Rock Mechanics, and supervised two Rocha Medal winners (2015 and 2017). His research focuses on hybrid finite-discrete element (FDEM) numerical technology, experimental visualization techniques, and geomechanics principles applied to the study of tunnelling and hydraulic fracturing

Giovanni Grasselli, 多伦多大学教授。主要从事混合有限-离散元法（FDEM）数值模拟技术、实验可视化技术以及应用于隧道施工和水力压裂研究的地质力学机理等领域的研究。GRASSELLI教授在意大利帕尔马大学取得土木工程本科学位，在瑞士洛桑联邦理工学院取得岩石力学博士学位；在2006年加入多伦多大学任教之前，曾在伦敦帝国理工学院（英国）和桑迪亚国家实验室（美国）担任研究员，并曾担任劳伦森大学MIRARCO研究所的副主任（加拿大）；曾荣获2004年ISRM ROCHA奖章、2019年CGS的JOHN A. FRANKLIN岩石力学奖以及2024年PEO工程奖章。

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