

## 海外专家学者系列报告会（2022年第3期）

报告题目：Deep Unconventional Reservoirs: Role of Proppants for recovery of Energy and Minerals

报告专家：Ranjith P.G.（澳大利亚技术科学与工程院院士、莫纳什大学教授）

报告时间：2022年12月9日下午3:00-4:30

报告地点：力学与土木工程学院 A220

邀请人：杨圣奇（教授/博导、副院长）

### 报告专家简介：



Ranjith P.G. is a full Professor of Sustainable Development of Energy and Resources at the Department of Civil and Environmental Engineering at Monash University. His research focuses on recovery of mineral and hydrocarbon resources, deep geothermal energies, Hydron storage, and climate mitigation methods including carbon sequestration in geological formations. Professor Ranjith's research discoveries have underpinned the development of

better ways to break rocks insitu conditions for mineral extractions, some of which are now in field trials. His research findings have contributed to the UN Sustainable Development Goals 7 (Affordable and Clean Energy), 9 (Industry, Innovation, and Infrastructure), and 13 (Climate Action).

Prof. Ranjith was the recipient of numerous awards and honours in recognition of his research contributions. Notable among these honours are in 2019 the election to the Australian Academy of Technology and Engineering as an Academician. He is also an elected Fellow of Institute of Materials, Minerals and Mining (UK), Fellow of Geological Society (UK), and The European Academy of Science and Arts. In 2022, he was elected as Foreign fellow of the Indian National Academy of Engineering. In 2021, he was awarded the Jiangsu Friendship Award of China in accordance with CUMT university.

Prof. Ranjith has authored and co-authored over 518 publications in books, peer reviewed journals, book chapters and conferences. Professor Ranjith has advised 53 PhD students including many Chinese

Students and 26 early career researchers, many of whom hold leading positions in academia and industry

Prof. Ranjith currently serves as Editor-in-Chief of Geomechanics and Geophysics for GeoEnergy and GeoResource, SpringerNature Journal. In addition, he serves many journals' editorial boards including an Associate Editor of Journal of Petroleum Science and Engineering; Editorial board member of Rock Mechanics and Rock Engineering and Engineering Geology. He founded the International Conference on Geomechanics for GeoEnergy and GeoResources (IC3G). He is the Director and the founder of Deep Earth Energy laboratory which is unique laboratory for development of revolutionary technologies for future mining and energy recoveries from deep earth.

中国矿业大学力学与土木工程学院  
深部岩土力学与地下工程国家重点实验室  
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