



海外专家学者系列报告会 (2023 年第 6 期)

报告题目：Energy system and efficiency

报告专家：Jonathan Cullen

报告时间：2023 年 6 月 20 日上午 9:00-12:00

报告地点：力学与土木工程学院 A220

邀请人：乔亚宁

主办单位：力学与土木工程学院

报告专家简介：



Dr Jonathan Cullen is Professor of Sustainable Engineering in the Engineering Department at the University of Cambridge, and President of Fitzwilliam College. He leads the Resource Efficiency Collective (www.refficiency.org) and has a reputation for top-down studies of resource systems, bringing skills in developing new metrics to reflect both energy and material consequences of materials production. Jonathan currently leads C-THRU: carbon clarity in the global petrochemical supply chain (VKRF) and is currently a co-investigator on: S2uPPlant: Smart Sustainable Plastic Packaging from Plants (UKRI), TransFIRE: Foundation Industries Research and Innovation Hub (UKRI), UK FIRES: Locating

Resource Efficiency at the heart of Future Industrial Strategy (EPSRC), CCG: Climate Compatible Growth (FCDO). He is a Lead Author for the IPCC AR6 Industry Chapter, an Expert Adviser to the IEA Technology Roadmaps, and co-authored the book Sustainable Materials: with both eyes open, which pioneered the concept of material efficiency for energy-intensive industries.

Jonathan Cullen 博士现为英国剑桥大学工程学院能源、交通和城市基础设施系的教授，Fitzwilliam College 学院院长，资源效率课题组组长，也是政府间气候变化委员会（IPCC）第六次评估报告的主要作者，国际能源署专家顾问。代表论著《Sustainable Materials—with both eyes open》曾列入比尔·盖茨 2015 年 6 本必读书之一。Cullen 教授的主要研究方向为资源效率、气候变化对策、碳减排策略等，旨在揭示材料、能源系统的效率，为工业的战略碳减排提供方法框架。

中国矿业大学力学与土木工程学院

2023 年 6 月 18 日