

2026/27 秋季学期

碳中和与气候变化哲学博士

PhD in Carbon Neutrality and Climate Change

香港科技大学(广州)



碳科学与技术



气候变化与治理



可持续能源转型



气候金融和政策

1 项目简介

港科大(广州)碳中和与气候变化哲学博士专业紧密对接国家“双碳”战略需求,立足粤港澳大湾区发展机遇,以培养引领碳中和事业发展的复合型高端人才为目标,努力探索交叉学科人才培养新模式。本专业在“双碳”战略背景下,特别强调理工科与人文社科的深度交叉融合,涵盖低碳技术、碳中和政策、经济与金融、AI+等多个领域,系统构建了一套的交叉学科课程体系。在课程设置上,专业聚焦能源革命、产业转型、绿色金融、气候治理、公众参与等碳中和关键领域,开设一系列前沿课程。同时,专业还将综合运用案例教学、实地考察、情景模拟、专业实践等多元化教学方式,提升学生运用交叉学科知识和方法分析解决复杂问题的能力。通过学科交叉融合和理论实践结合,专业将培养一批胜任“双碳”工作、引领行业发展的“高精尖缺”复合型人才。

2 培养方式

- 双导师制

3 学制与学分

- 学分: 21
- 全日制: 3-4 年, 非全日制: 6 年

4 学费

- 全日制(助学金获得者): 40,000 元 / 年
- 全日制(自费) & 非全日制(自费): 150,000 元 / 年

5 助学金

- 15,000 元 / 月, 上限 4 年, 仅限全日制(助学金获得者)
- 符合要求的申请者将自动纳入考虑范围, 无需额外申请

6 入学要求

- **学位要求:** PhD 申请者须持有学士学位;或至少一年全日制(或两年非全日制)研究生研究经历
- **英语须满足以下要求之一:** 托福网考 80 分 / 托福 pBT 550 分 / 托福修读纸笔考试 60 分(阅读、听力和写作总分) / 雅思(学术类) 6.5 分(各项不低于 5.5 分)

* 母语为英语,或学士/硕士阶段授课语言为英语的申请人除外。

7 申请截止时间

- 国际学生申请者 2026 年 6 月 15 日
- 中国学生申请者 2026 年 7 月 15 日

8 申请方式

- 在线申请:
<https://fytgs.hkust-gz.edu.cn/admissions/apply-now>

- 扫码申请:





► **Kejun JIANG** Acting Head of CNCC Thrust, Professor

PhD in Social Engineering,
Tokyo Institute of Technology, 1999

Research Areas :

- Energy transition
- Integrated assessment model
- Policy assessment
- Climate change mitigation
- Emission scenarios
- Sustainable development option assessment



► **Luoye CHEN** Assistant Professor, PG Coordinator

PhD in Agricultural and Applied Economics,
University of Illinois at Urbana-Champaign, 2022

Research Areas :

- Environmental and agricultural economics



► **Seona PARK** Assistant Professor

PhD in City Planning,
Seoul National University, 2022

Research Areas :

- Energy justice and just transition
- Climate change governance with focus on Asia



► **Zichong CHEN** Assistant Professor

PhD in Land and Atmospheric Sciences,
University of Minnesota Twin Cities, 2018

Research Areas :

- Satellite-based high-resolution mapping of regional methane emissions
- Plume detection using point source satellite remote sensing
- Global carbon cycle and the climatic drivers
- Co-monitoring of greenhouse gas emissions and air pollution



► **Jiangong LIU** Assistant Professor

PhD in Physical Geography,
The Chinese University of Hong Kong, 2020

Research Areas :

- Ecosystem adaptation to climate change
- Ecosystem response to climate extremes
- Nature-based climate solutions
- Explainable and causally-inferred AI



► **Wenjun WANG** Assistant Professor

PhD in Agricultural and Resource Economics,
University of Maryland at College Park, 2018

Research Areas :

- Climate economics
- Empirical industrial organization
- Sustainable finance



► **Lina LUO** Assistant Professor

PhD in Environmental Engineering,
Rice University, 2023

Research Areas :

- Agricultural emissions of greenhouse gases and air pollutants
- Climate change-agroecosystem interactions
- Agroecosystem model development and multi-scale integration



► **Ye QI** Dean of Society Hub, Chair Professor

PhD in Environmental Science,
The State University of New York and Syracuse University, 1994

Research Areas :

- Climate change and environmental policy and governance
- Sustainability science and applications



► **Yangsiyu LU** Assistant Professor

PhD in Environmental Economics,
University of Oxford, 2022

Research Areas :

- Energy transition
- Clean technology
- Climate policy
- Environmental economics



► **Anurag GUMBER** Assistant Professor

PhD in Climate Finance & Policy,
Swiss Federal Institute of Technology, Zurich, 2023

Research Areas :

- Climate finance & policy
- Low-carbon infrastructure
- Energy, transport, cities
- Technology innovation
- Banking and institutional investors



► **Vincent WOON Kok Sin** Assistant Professor, UG Coordinator

PhD in Environmental Engineering,
The Hong Kong University of Science and Technology, 2015

Research Areas :

- Life cycle assessment, multi-objective optimization, spatiotemporal analysis
- Systems engineering
- Low carbon and circular economy
- Artificial intelligence for sustainability
- Environment-economic-social nexus



► **Yuqi SONG** Assistant Professor

PhD in Public Policy Studies,
The University of Chicago, 2023

Research Areas :

- Environmental and energy economics
- Applied microeconomics
- Climate economics



► **Jiaqi LU** Assistant Professor

PhD in Political Science and Environmental Studies,
University of Wisconsin-Madison, 2023

Research Areas :

- Global energy transitions
- Energy and climate policy
- International climate governance
- Comparative environmental politics
- Energy technology innovation

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Faculty Members:

