

Junior Researcher Mentoring Programme

2023

Code:	JRMP2023_02
School / Department:	Department of Building Environment and Energy Engineering
Name of Research Team Member(s):	Dr Cao Sunliang, Assistant Professor
Research Topic:	The Life-cycle Analysis of Renewable Energy Systems
Short Description of the Research Project:	The main objective of this research is to investigate the life-cycle impact of diversified types of renewable energy systems. The targeted renewable energy systems include solar photovoltaics, wind turbines, wave energy converters, and tidal energy systems. Both onshore and offshore renewable energy systems will be investigated, such as the onshore building integrated photovoltaics (BIPVs) and offshore floating PVs. The life-cycle impact will be mainly focused on the life-cycle emission and the life-cycle cost analyses. It is expected to obtain a more comprehensive view regarding the life-cycle environmental and economic impact of different types of renewable energy systems.
No. of Places Offered:	2
Frequency of Meetings:	Bi-weekly
Special Requirement(s):	Nil

** The information presented above is subject to change.*