

stir workshop

Sustainability, Technology and Innovation Research

Research Roundup: Current Projects at Greenwich

25th June 2019, 10.30 -5.00, QA 210

10.30-11.00	<i>Coffee and welcome</i>
11.00-11.30	Ihator Brown: Sustainability, accountability and Stakeholders' attitude toward youth charity
11.30-12.00	Muna Amir: Evaluating the 'Northern Powerhouse' as a socio-technical imaginary: An analysis of inclusivity, prosperity and sustainability
12.00-12.30	Abdul Raouf Sakhizada: Acceptance and public perception of autonomous vehicles.
12.30-1.00	Dr Ian Clarke: Tramways and urban development: Evidence from the Basque Country
1.00-2.00	<i>Lunch break</i>
2.00-2.30	Dr Anlan Chen: How do firms develop network capabilities for innovation?
2.30-3.00	Dr Athena Piterou: Mapping cultural and creative industry clusters in a World Heritage Site: A relational approach
3.00-3.30	Lim, S, Chan, J, Nguyen, H-N, Wang, T-I: Developing a rural social innovation ecosystem: A case of Zhushan Town in Taiwan
3.30-4.00	<i>Coffee break</i>
4.00- 4.30	Forum: Critical realism, critical action and the climate crisis: <i>introduced by Dr Anne-Marie Coles: Dr Fanny Paschek: Najmal Hasan</i>
4.30- 5.00	Final round table discussion: 'Academics' contribution to sustainable change'

stir workshop

Sustainability, Technology and Innovation Research

Research Roundup: Current Projects at Greenwich

25th June 2019, 10.30 -5.00, QA 210

Abstracts

Regional sustainability and social enterprise

Ithator Brown: Sustainability, accountability and Stakeholders' attitude toward youth charity: Developing and testing stakeholder accountability through Youth Charity Scale (SAYCS).

Charities are finding it difficult to create a balance between accountability and the charity purpose with different stakeholder at different levels has different priorities of accountability. The research set to clarify stakeholders' attitudes toward youth charity by assessing economic factor and non-economic (social) factor influencing rationality. It will contribute additional knowledge using the Social Exchange Theory (SET) and Weber's theory of formal and substantive rationality.

Muna Amir: Evaluating the 'Northern Powerhouse' as a socio-technical imaginary: An analysis of inclusivity, prosperity and sustainability

Building on Jasanoff and Kim's (2009) study on Socio-technical Imaginary, this study develops a framework to analyse the policy discourses of the northern powerhouse imaginary, and the debates surrounding it to identify its limitations in terms of sustainability, inclusiveness and local prosperity that would lead to uncovering a new sustainable imaginary.

Social mobility

Abdul Raouf Sakhizada: Acceptance and public perception of autonomous vehicles.

In this comparative research project, the focuses are on similarities and differences between regulatory frameworks, users/non-user's perceptions and concerns towards technological development of autonomous vehicles between two national contexts: UK & UAE. The objectives are to develop insight into public acceptance challenges associated with autonomous vehicle technology.

Dr Ian Clarke: Tramways and urban development: Evidence from the Basque Country

The presentation will look at how the development of a tramway in Bilbao played a part in the re-development of the city's central and riverfront area.

Innovation, networks, creativity

Dr Anlan Chen: How do firms develop network capabilities for innovation? A longitudinal case study

Drawing upon the extant literature and through a longitudinal case study, this research proposes an analytical framework to investigate how firms develop network capabilities to improve innovation performance. Specifically, it looks at firms' decision-making process on innovation and investigates how managers make decisions when facing the dilemma between internal and external capability areas.

Dr Athena Piterou: Mapping cultural and creative industry clusters in a World Heritage Site: A relational approach

The presentation will report finding of a research project regarding the development of the cultural/creative industries in George, Town Penang. On the basis of a relational approach, Social Network Analysis is applied to analyse how industry participants form network and to what extent network formation affects their orientation towards innovation.

Lim, S, Chan, J, Nguyen, H-N, Wang, T-I: Developing a rural social innovation ecosystem: A case of Zhushan Town in Taiwan

This study proposes a novel social innovation ecosystem of a rejuvenating declined town. The case is ZhuShan town in the mountain region of central Taiwan. The once prosperous/bustling suffered from socio-economic problems and depopulation during the waves of economic development since the end of the 20th century in Taiwan. However, the town drew attention from the media in recent years as returning youth starting businesses, and a vibrant tourism industry developed in the town. A single case study approach is used to understand the development of this innovation ecosystem. What triggered and catalyzed the innovation process? What are its compositions, actors, roles, and activities? Data were collected through observations and in-depth interviews. A model of social innovation ecosystem is presented with the components and its functions. The use of such model as a strategy of counter-urbanization is discussed.

Final forum: Critical realism, critical action and the climate crisis:

Introduction:

Dr Anne-Marie Coles: Critical realism and the climate science deniers

Dr Fanny Paschek: Critical realism, political economy and institutional transformation

Najmal Hasan Can circularity help to achieve 2% economy?

The paper will discuss the climate potential of a circular economy. The challenge for policy makers - and for industry - is how to curb emissions while continuing to meet the material needs of our economies. Developing circularity of largest materials - steel, plastics, aluminum, cement already in use by industry can potentially reduce emissions from heavy industry significantly. Using value chains as example from mobility industry the paper will investigate the importance of circularity and its measurement for achieving the benefits of circular economy.

Followed by a round table discussion: Academics' contribution to sustainable change