

**DAY 1 Monday 11<sup>th</sup> July**

0845 Coffee

0900 Welcome and Introduction

**Chair: Dr Dick Fenner****Sustainable Buildings**

0905 Pit Ngai Chio Building retrofit in subtropical regions Prof Alan Short

0930 Alejandro Rivera Rivera Stepping Away from Air Conditioning Dependence Prof Alan Short

0955 Zhongzhe Wu Study of Solutions to Building Sustainability Dr Tim Forman

1020 Stephen Tuffner An Analysis of Social Housing Infrastructure Development Dr Andy Skelton

1045 Coffee

**Legacy Assessments of high profile projects and sustainability evaluation**

1115 Kevin Ly Sustainability assessment of large sporting venues Prof Peter Guthrie

1140 Madison Marshall The Legacy of Mega-Sporting Events for Urban Regeneration Dr Dick Fenner

1205 Kathleen Nelson Beauty in Density: A Sustainability Review of London's Barbican Estate Prof Peter Guthrie

1230 Rafael Quezada Gaete A Real Options Model for Sustainability Evaluation Dr Dai Morgan

1255 Lunch

**Chair: Prof Peter Guthrie****Circular Economy**

1400 Caroline Barbance Closing the loop in the textile industry Dr Dai Morgan

1425 Menatalla Dessouky Circular Urban Metabolism for Masterplans Dr Max Bock

1450 Padma Nayagam Circular Economy in Industry Dr Dai Morgan

1515 Dan Clayton Water and the Circular Economy Dr Dick Fenner

1540 Tea

**Water**

1600 Ceri Salisbury A Real Options Approach to Balancing Blue-Green and Grey Urban Drainage Solutions Dr Dick Fenner

1625 Peter Storm Present and Future Water Policy in California Dr Dick Fenner

1650 Robert Hume Water Resource Management in Flood-Prone Urban Areas Dr Dick Fenner

1715 Closing Remarks

1720 Close

**DAY 2 Tuesday 12th July**

0845 Coffee

0900 Welcome and Introduction

**Chair: Professor Peter Guthrie****Miscellaneous**

0905 Wai Jun Mak New Urban Mobility Solutions in Megacities Prof John Miles

0930 Heather Norton Dynamic Modelling for Tristan Albatross Conservation Dr David Reiner

0955 Kosoluchukwu Ekwunife Evaluation of Public Procurement Policy in Nigeria for Practicable Sustainable Goals Prof Peter Guthrie

1020 Quan Lau Climate Change Resilience in Slum Communities Dr Dick Fenner

1045 Coffee

**Sustainability in industrial sectors**

1115 Tercia Van Vuuren Perceptions of sustainability in the construction industry Prof Peter Guthrie

1140 Kyle Gray Utilising the Mining Industry to promote Sustainable Development Prof Peter Guthrie

1205 Roderick Darling The steel stock and rate of production in a +2 degree C world Dr Jon Cullen

1230 Roxanne Pieterse The HDI-Footprint Framework: Exploring the Implications for Sustainable Development Prof Peter Guthrie

1255 Lunch

**Chair: Dr Dai Morgan****Waste**

1400 Chen Lun Martin Yii Evaluation of polluter principle-based options in waste management Prof Peter Guthrie

1425 Wei Zhou Study on the Enabling Environment for Public-Private-Partnership based Waste-to-Energy Projects in Selected Countries in Asia Prof Peter Guthrie

1450 Stephanie Drenten Understanding the viability of sewer waste water heat recovery systems Dr Tim Forman/ Dr Dick Fenner

1515 Mohammad Shana'a Closing the materials loop Prof Peter Guthrie

1540 Tea

**Emergency Relief**

1600 Brendon Harkness Sustainable Pumping Options for Global Refugee Camp Water Supplies Prof Peter Guthrie

1625 Caroline Williams Identification Methods for Aid Distribution Following Natural Disaster Events Dr Emily So

1650 Elena Haddad Alternative Energy Provision in Emergency Relief Situations Dr Dai Morgan

1715 Closing Remarks

1720 Close

Dissertation Presentations (11th –13th July, 2016)

Lecture Room 0: Baker Building, Department of Engineering; Trumpington Street

**DAY 3 Wednesday 13th July**

0845	Coffee		
0900	Welcome and Introduction		<b>Chair: Dr Dai Morgan</b>
		<b><u>Decarbonising electricity and renewables</u></b>	
0905	Girish Shivakumar	The Evolution of Electricity Retail Markets in a low carbon world	Dr David Reiner
0930	Michael Li	Economic impacts of policies to decarbonise the Australian electricity grid	Dr Dick Fenner
0955	Tahawar Hussein Syed	Critical review and analysis of government of Pakistan's decision to withdraw support for renewables based power generation	Dr David Reiner
1020	Judd Harris	The development potential of renewable energy in remote Indigenous communities	Prof Peter Guthrie
1045	Coffee		
		<b><u>Solar and Nuclear Energy</u></b>	
1115	Suganya Paskaran	The use of decentralized Concentrated Solar Power (CSP) systems in Sri Lanka	Prof John Miles
1140	Ben Scheder-Bieschin	Solar Energy for Airports - Opportunities and Challenges	Prof Peter Guthrie
1205	Tombo Banda	Nuclear Energy in Malawi	Dr Geoff Parks
1230	Matthew Myers	Examining the stance taken by environmental NGOs towards nuclear power.	Dr Dai Morgan
1255	Lunch		<b>Chair: Dr Dick Fenner</b>
		<b><u>Energy and Development</u></b>	
1400	Byeronie Epstein	Strategies for rural electrification in Sub-Saharan Africa	Dr Max Bock
1425	Ashley Jasso	Defining the Resilience of Stand Alone Microgrids for Rural Applications	Dr Dick Fenner
1450	Chris Adsit	Engineering Interventions in Developing Areas	Dr Dick Fenner
1515	Shivi Chanda	Energy and gender in rural areas	Prof Peter Guthrie
1540	Tea		
		<b><u>Food Systems</u></b>	
1600	Aimen Sattar	The influence of water, land, energy and soil-nutrient resource interactions on the food system in Egypt	Dr Dick Fenner
1625	Allison Kindig	Network reliability in sustainable food systems	Dr Dick Fenner
1650	Closing Remarks		
1700	Close		