



# Improving Supply Chain Efficiency and Competitiveness under Resource Scarcity

**Monday 3rd November 2014: 09:00am to 10:30am**

**The University of Sheffield, Management School, Conduit Road, Sheffield S10 1FL (in the Hitchcock Boardroom)**

**9:00 Arrival Coffee/tea, registration and welcome**

**9:15 Can we get more with less? The value of supply chain resource efficiency and sustainability**

*Professor Lenny Koh, Director of AREC, CEES and LSCM, The University of Sheffield*

**9:30 Addressing resource scarcity with waste biomass to bio-fuel energy**

*Dr BC Giri, Commonwealth Academic Fellow at CEES, Associate Professor of Mathematics, Jadavpur University, India.*

**9:45 Roundtable Discussion**

**10:15 Concluding Remarks**

The University of Sheffield (UoS) excels in supply chain management and resource efficiency. The Advanced Resource Efficiency Centre (AREC) combines the University's expertise in Supply Chain Management, Advanced Materials, Agritech & Energy to produce a unique, world-class research facility. It provides business with access to the knowledge, capabilities and tools to reduce the environmental, economic and social impact of their supply chain in a sustainable and innovative way. There is increasing academic and corporate interest in green and sustainable supply chain management (Koh et al 2012) and low carbon technologies. This is derived from a need to reduce dependency on our carbon based resources by adopting approaches that impact on the TBL of ecological, economic and social indicators. There are currently no facilities in the world that offer bespoke multidisciplinary Supply Chain Resource Sustainability TBL modelling solutions for private enterprise to buy into. AREC will be the first to offer this by developing a multi-layered modelling facility, channelling it through a new corporate-facing Supply Chain Hub infrastructure. AREC is also a Futures 2022 initiative within the UoS. This workshop will look into tools in economic and social dimensions, alongside science and engineering, to scope out the intersections for collaborations and interventions. It will engage with a range of stakeholders including government, industry, universities, the 3rd sector and the public, to gather multiple views on how this research can be exploited.

