



Contribution ID: 4

Type: **Speaker**

Nexus of Energy, Water, Food, Waste : 4IR Contributions

Tuesday, 3 September 2019 14:00 (10 minutes)

Given the reference, United Nations Sustainable Development Goals, Agenda 2030 : Transforming our World, the Department of Mechanical Engineering Science has interest in promoting solutions that will stimulate new economic development and new jobs in the age of Industrial Revolution 4.0. A focus is to explore the gains from the nexus of energy, water, food, waste and transport value chains when embedded in Industrial Revolution 4.0 technologies, business models and societal values. The aim is to maximise circular economics, minimize environmental impact and to deliver new business models of economic development and job creation. A sharp focus is to bring forward machine decision making in the delivery of sustainable and resilient solutions of integrity and value to customers and society.

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