

National Taipei University of Technology

2020 Forum on sustainable new future

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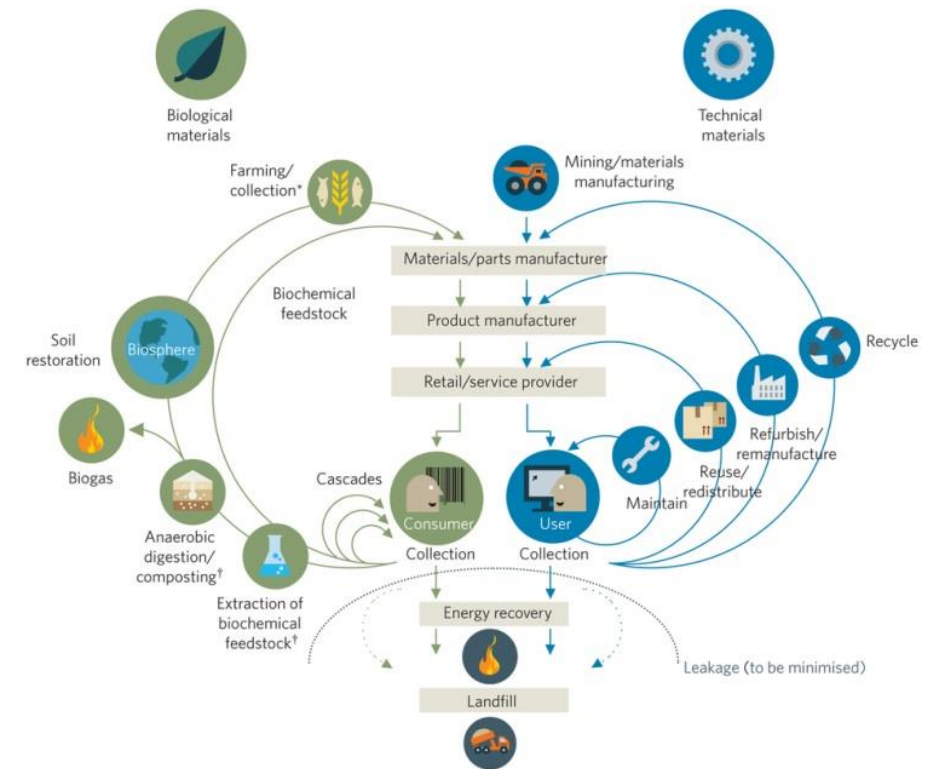


Profile

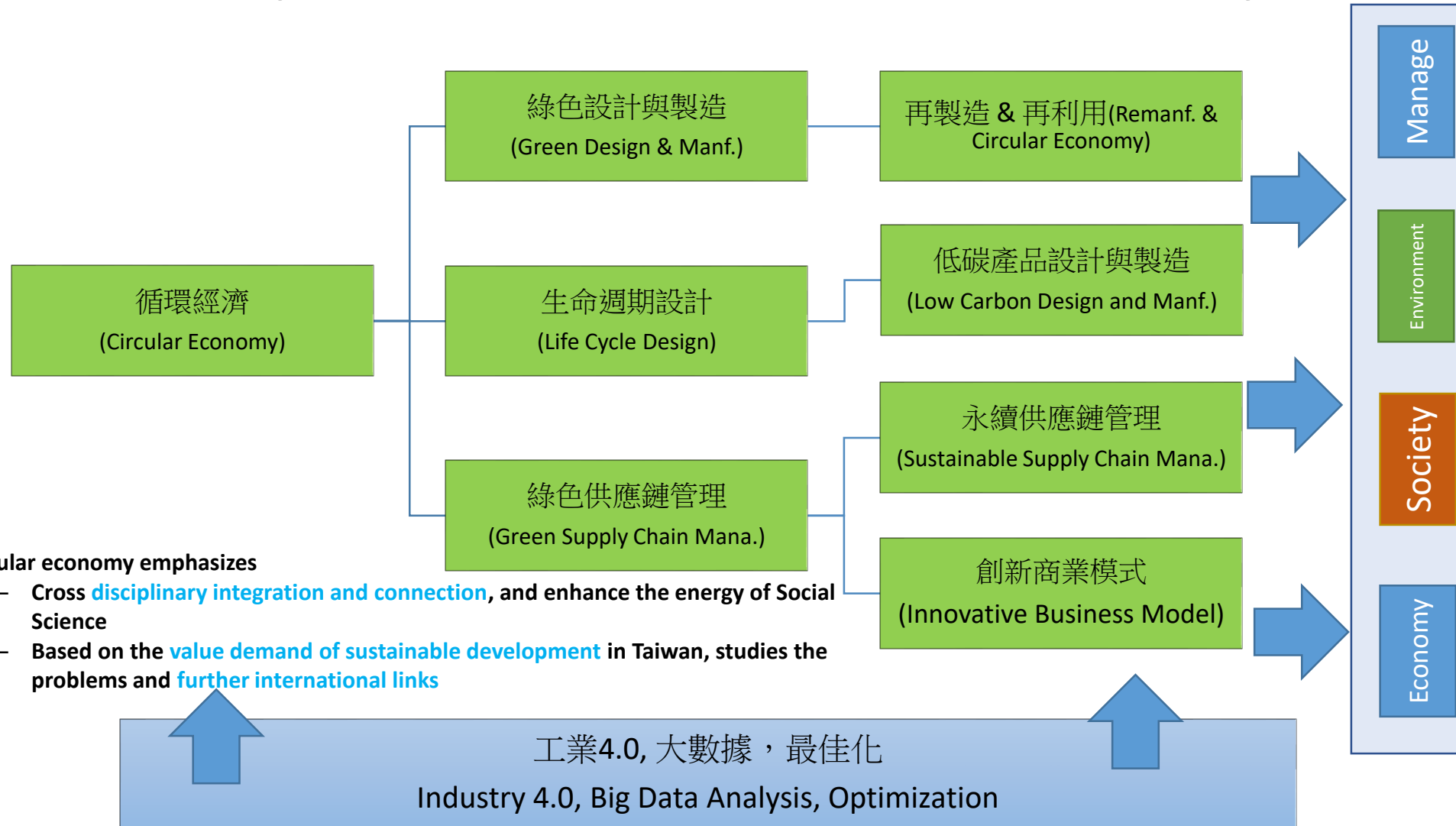
- Educational background: PhD in industrial engineering, Texas Tech University :
 - Professor / Vice President of Chung Yuan Christian University, Mingxin University of Science and Technology, Shude Industrial and Commercial College
 - Published about 80 journal papers, h-index=26 , articles cited for around 2616 times
 - Serve as the chief program manager of the sustainable integrated program of the natural science department of the Ministry of Science and Technology
 - Serve as member of the Reexamination Committee of the Department of natural science sustainability and Industrial Engineering and management technology of the Ministry of science and technology
 - Serve as Member of the Review Committee on carbon footprint and environmental label of EPD
 - Serve as Core member of Sustainable Energy Research Foundation
 - Experience of industry & university cooperation(ASE, UMC, NAN YA, FATC, Inventec, Foxconn, Sanyang Motor, HTC, MIC)

The challenge of circular economy

- Circular economy covers and extends the scope of supply chain and sustainable supply chain
 - How can demand drive the circular supply chain
- Circular supply chain emphasizes to drive circulation by economy ,
 - How to create value and innovate business model by circulation
- Circular supply chain emphasizes source design ,
 - Thinking about how to drive circulation (closed cycle or open cycle) with 3R design (reduction, reuse, and recovery)



Correspondence of circular economy



UN 永續發展目標
UN SDGs



- Circular economy emphasizes
 - Cross **disciplinary integration and connection**, and enhance the energy of Social Science
 - Based on the **value demand of sustainable development** in Taiwan, studies the problems and **further international links**

Sustainable science and technology management laboratory: Based on data, make good use of science and technology, create cycle, reduce environmental impact, and achieve sustainable development goals