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**'Circular Economy' Innovation & Design**  
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**Dr Walter Den, Dean, International College, Taiwan**

Since joining the University in 2002, he has also served as the Dean for the Office of Research and Development (2015~2016) and as the Department Chair (2011~2014). His academic activities also extend beyond campus, serving as a Consultant for the Industrial Technology Research Institute's (ITRI) Material and Chemical Research Laboratories and previously Energy and Environmental Research Laboratories (2011-2013). He is a 10-year member of the American Chemical Society (ACS) and an active member of the Chinese Institute of Environmental Engineering. Dr. Den received his Ph.D. (2000) and M.S. (1995) in Environmental Engineering from the Department of Civil Engineering, University of Southern California (Los Angeles, CA), and a B.S. degree in Mechanical Engineering (1993) from the University of California at Santa Barbara.

Dr. Den's research spans across various control technologies for air pollution (biofiltration, adsorption, and catalytic oxidation) and wastewater treatment and reclamation (electrochemical processes, membrane filtration, advanced oxidation). He has also concentrated his research on the development of carbonaceous nano-materials for environmental applications such as chemical extraction and sensors.

Recently, Dr. Den's research expanded from technology development to sustainability planning, especially in the area of industrial practices for sustainable development. These include water management, carbon asset management, and material and energy network optimization. He has helped set up guidelines for industries in Taiwan and abroad to increase their water use efficiency, reducing companies' risks to water scarcity. He has published more than 50 technical peer-reviewed papers and book chapters, and presented over 100 papers in various academic conferences and seminars over the past ten years.