



**Prof Tien-Chien Jen** joined University of Johannesburg on August 2015 as a Full Professor at Mechanical Engineering Science Department. Prof Jen received his Ph.D. in Mechanical and Aerospace Engineering from UCLA. Prof Jen has recently established a Joint Research Centre with Nanjing Tech university of China on the “Sustainable Materials and Manufacturing.” Prof Jen is also the Director of Manufacturing Research Centre of the University of Johannesburg. Meanwhile, South Africa National Research Foundation has awarded Prof Jen a NNEP grant (National Nano

Equipment Program) worth of USD 1 million to acquire two state-of-the-art Atomic Layer Deposition (ALD) Tools for ultra-thin film coating. These two ALD tools will be the first in South Africa and possibly the first in Africa continent. Furthermore, NRF has just awarded Prof Jen USD (\$500K) for establishing a clean room facility to house these two ALD equipment.

In 2011, Prof Jen was elected as a Fellow to the American Society of Mechanical Engineers (ASME), which recognized his contributions to the field of thermal science and manufacturing. As stated in the announcement of Prof Jen Fellow status in the 2011 International Mechanical Engineering and Congress Exposition, it states “Tien-Chien Jen has made extensive contributions to the field of mechanical engineering, specifically in the area of machining processes. Examples include, but not limited to, environmentally benign machining, atomic layer deposition, cold gas dynamics spraying, fuel cells and hydrogen technology, batteries, and material processing.” Prof Jen has written a total of 230 peer-reviewed articles, including 86 peer-reviewed journal papers, published in many prestigious journals. He also has written 10 chapters in special topics book.