

## DEPARTMENTAL SEMINAR

DEPARTMENT OF CHEMICAL AND BIOMOLECULAR  
ENGINEERING

FACULTY OF ENGINEERING

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<b>TOPIC</b>	<b>Chemical Engineering at the University of Cape Town – education, research and future vision.</b>
<b>SPEAKER</b>	<b>Professor Jack CQ Fletcher, HoD Chemical Engineering Director - Centre for Catalysis Research, University of Cape Town, South Africa</b>
<b>HOST</b>	<b>Prof. Chi-Hwa Wang (Department of Chemical and Biomolecular Engineering)</b>
<b>DATE</b>	<b>Friday, 28 October, 2011</b>
<b>TIME</b>	<b>9:30 - 10:20 am</b>
<b>VENUE</b>	<b>EA-06-07 , Faculty of Engineering, National University of Singapore <a href="#">NUS Campus Map</a> &amp; <a href="#">NUS: Faculty of Engineering</a></b>

### SYNOPSIS

The National University of Singapore (NUS) and the University of Cape Town (UCT) executed a Memorandum of Understanding (MoU) in July 2010 so as to '... promote joint research & development activities of mutual interest ... (mineral processing, coal liquefaction and related academic activities)'.

As these foci fall predominantly within the UCT Department of Chemical Engineering's scope, this presentation will comprise a brief overview of the University, the Engineering Faculty and the Department as well as its various programmes in education and research, with specific emphasis on aspects thereof which may be of collaboration interest to NUS academics. Research strengths are centered in bio-processing, catalysis, minerals processing and crystallization/precipitation, and key aspects of these programmes will be highlighted. Moreover, the Department continues to play a key role in engineering education research.

### BIOGRAPHY

Jack Fletcher obtained his BSc(Eng)Chem and PhD degrees from the University of Cape Town in 1980 and 1984, respectively. His career includes a period as Programme Manager at South Africa's Council for Scientific and Industrial Research (CSIR) in the field of III -V Semiconductor Materials Growth and Device Fabrication, and as Director Research and Development – Catalysts, for the Süd-Chemie Group of Companies based respectively in Munich, Germany and Louisville, Kentucky, USA. He is currently Director of the UCT Centre for Catalysis Research as well as Contract Director for the National Hydrogen Catalysis Competence Centre (HySA/Catalysis).

Professor Fletcher is past Chairman of the Catalysis Society of South Africa (CATSA) and has served as Director (non-executive) and Chairman on the Board of the National Chemical Technology Incubator (Chemin). He is an elected Fellow of the South African Academy of Engineering (SAAE).

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