

Sunney I Chan Symposium
on **“Chemical and Biological Approaches for Energy and Sustainability”**
In Celebration of his 80th Birthday
Wednesday, October 5, 2016
Lecture Theatre 6 (160 pax), Yasumoto International Academic Park
The Chinese University of Hong Kong

Speakers and Lectures

9:00 **Opening Remarks (Henry Wong)**

Bioenergetics and Sustainability (Chair: Michael Chan)

9:10 **Speaker #1: Gary Brudvig**¹ (Yale, USA)
"Light-driven Water Oxidation"

10:00 **Speaker #2: Douglas Rees**² (Caltech, USA)
"Ironing Out the Nitrogenase Mechanism"

10:50 **Coffee break**

Biofuels (Chair: Jacky Ngo)

11:10 **Speaker #3: Michael Marletta**³ (UC Berkeley, USA)
"Polysaccharide Monooxygenases: Function and Mechanism"

12:00 **Speaker #4: James Liao** (Academia Sinica, Taiwan)
"Metabolic engineering of bacteria for biofuel production"

12:50 **Lunch (for speakers hosted by Henry Wong, 2 tables, venue TBC)**

Sustainable Chemistry I (Chair: Bruce Lee)

2:20 **Speaker #5: Robert Grubbs**⁴ (Caltech, USA)
"Functional Materials with some Interesting Applications"

3:10 **Speaker #6: Istvan Horvath** (City U)
"Conversion of Biomass to Energy and Chemicals: Suitable or Green or Sustainable?"

4:00 **Coffee break**

Sustainable Chemistry II (Chair: Wing Tak Wong)

4:15 **Speaker #7: Chi Ming Che** (Hong Kong U)
"Catalysts for organic oxidations"

4:45 **Speaker #8: Peter Chen** (NCHU, Taiwan)
"The development of tricopper cluster for efficient selective oxidation of hydrocarbons under ambient conditions"

5:15 **Speaker #9: Vivian Yam** (Hong Kong U)
TBA

5:45 **Closing Remarks (Sunney I Chan)**