



Institute of
Chemical and
Engineering Sciences

2nd BIOMASS TO FUELS & CHEMICALS SYMPOSIUM 2011

January 13-14, 2011

**30 Biopolis Street
Matrix Building
Level 4, Creation Theatre
Singapore**

PROGRAMME- DAY 1
Thursday, 13 January 2011

Time	Speaker/Title
9:00 - 9:15	Opening Address Dr. Keith Carpenter, Executive Director, Institute of Chemical & Engineering Sciences, Singapore
9:15 - 10:00	An outlook on microalgal biofuels Prof. René H. Wijffels, Wageningen University, The Netherlands.
10:00 - 10:45	Sustainable catalytic valorization of biomass for the production of fuels and renewable chemicals Dr. Jorge Beltramini, The University of Queensland, Australia
10:45 - 11:15	Tea Break
11:15 - 12:00	Enzymatic Processes which Replaced Some of Already Established Chemical Processes. Prof. Yasuhisa Asano, Toyama Prefectural University, Japan
12:00 - 12:45	Biomass conversion to HMF Dr. Yungen Zhang, Institute of Bioengineering and Nanotechnology, Singapore
12:45 - 14:00	Buffet Lunch
14:00 - 14:45	Exploitation of subtropical bioresources for bioenergy in Southern China. Prof. Ribo Huang, National Engineering Research Center for Non-Food Biorefinery, China

14:45 - 15:30	Sustainable production of polymers Dr. Ludger Paul Stubbs, Institute of Chemical & Engineering Science, Singapore
15:30 - 16:00	Tea Break
16:00 - 16:45	Enzymatic preparation of biobased fine chemicals: catalyst discovery and development A/Professor Li Zhi, National University of Singapore, Singapore
16:45 - 17:30	Selectively controlling the product distribution of Fischer-Tropsch synthesis over cobalt catalysts Professor Zhong-Wen Liu, Shaanxi Normal University, China
17:30	End of Day 1

PROGRAMME- DAY 2
Friday, 14 January 2011

Time	Speaker/Title
9:00 - 9:45	Optimising fine chemical and fuel additives from lignocellulose sources A/Professor Tony Patti, Monash University, Australia
9:45 - 10:30	Advanced biomass thermochemical conversion for sustainable bioenergy production Dr. Yan Rong, Advanced Clean Energy Centre Institute of Environmental Science and Eng., NTU, Singapore
10:30 - 10:45	Tea Break
10:45 - 11:30	Process engineering for biotechnological production of exopolysaccharides. Prof. Guocheng Du, Jiangnan University, China
11:30 - 12:15	NTU's Research on Biomass to Resources A/Professor Wang Jing-Yuan, Nanyang Technological University, Singapore
12:15-12:25	Closing Address Dr. PK Wong, Deputy Director (Research), Institute of Chemical & Engineering Science, Singapore
12:25 - 13:25	Buffet Lunch
13:25	End of Day 2