



THE INSTITUTION OF ENGINEERS, MALAYSIA
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223 (Jalan Sultan)
46720 Petaling Jaya, Selangor Darul Ehsan

Tel : 03-79684001/2 Fax : 03-79577678 E-mail : sec@iem.org.my IEM Homepage: <http://www.iem.org.my>

Talk on 'Improper Processing and Drying of Foods - What Can Go Wrong?'
(Organised by the Agricultural and Food Engineering Technical Division)

Date : 21 January 2012 (Saturday) - **RESCHEDULED TO 28 JANUARY 2012**
Time : 9:00 a.m. to 11:00 a.m. (Refreshment would be served at 8:30 a.m.)
Venue : TUS Lecture Room, 2nd Floor, Wisma IEM, P. Jaya
Speaker : Ir. Assoc. Prof. Dr. Law Chung Lim

BEM APPROVED
CPD/PDP HOURS : 2
REF. NO. : IEM11/HQ/361/ T

NOTE : This talk would be in conjunction with the 13th AFETD's AGM at 11:00 a.m.

~ SYNOPSIS OF THE TALK ~

The processing of foods involves several stages. Quality may undergo changes mainly degradation at each stage. As foods are generally sensitive to heat, therefore they tend to undergo significant quality deterioration when subjected to heat treatment such as thermal drying. Further, some food materials may not be suitable to be processed in long duration. Volatile compounds may be lost; physical quality attributes may be degraded. The degree of degradation is proportional to processing time. In addition, food products should be processed and/or dried until a state that is below the level susceptible to growth of microorganism, typically at water activity level of less than 0.6. Apart from this, product quality is often related to various physical and chemical parameters. This talk will focus on the quality changes aspect on taste, colour, texture, size, shape, microbiological and nutrition and how these qualities attributes may be degraded due to improper processing and drying.

~ BIODATA OF SPEAKERS ~

Ir. Dr. Law Chung Lim is an Associate Professor with the Department of Chemical and Environmental Engineering, The University of Nottingham, Malaysia Campus. He is a chartered engineer, chartered scientist in the UK and a professional engineer in Malaysia. He is also a fellow of the Higher Education Academy UK. Ir Dr Law has more than 12 years of experience in research and development in the area of industrial drying and fluidized bed processing. He has also conducted extensive research work on processing of bio-origin products, mainly focus on the retention of bio-active ingredients in the dehydrated products. Over the years, Ir Dr Law designed a number of industrial dehydrator for the processing of bio-origin products, namely baffled fluidized bed dryer, 2-stage cross flow fluidized bed dryer, intermittent heat pump dryer, hybrid heat pump dryer and low temperature dehydrator. He has published about 50 journal papers, 15 book chapters including 2 encyclopedia chapters and 2 handbook chapters and presented more than 10 keynotes/invited speeches and more than 100 papers in conferences and seminars.

IR. KUMAR SUBRAMANIAM
CHAIRMAN, SESSION 2011
AGRICULTURAL AND FOOD ENGINEERING TECHNICAL DIVISION

Announcement to note:

1. Talk is **STRICTLY** for IEM members only (walk in).
2. Limited seats available on a 'first come first served basis' (maximum 110 participants).
3. No telephone and/or fax reservation will be entertained.
4. Latecomers will not be allowed entrance, if the lecture hall is full.
5. Please bring along this flyer for confirmation of attendance (CPD purpose).

For IEM members, membership card **MUST** be presented for identification purpose. Members who fail to show their membership card will be charged a fee of RM20.00.

FUNDS FOR IEM NEW BUILDING

Kindly be informed that IEM will be charging participants RM10.00 administrative fee to evening talks organised by IEM. The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building. Students are however exempted. Your understanding is greatly appreciated.

CPD HOURS CONFIRMATION

Name of Members :
M'Ship No. :
Date :
Signature :