



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Talk on Food Engineering – A new discipline?

(In conjunction with EINIX 2014)

Organized by Agricultural and Food Engineering Technical Division, IEM

BEM Approved CPD/PDP Hour: 1 hour Ref No: IEM14/HQ/309/T

Date : 6 September 2014 (Saturday)
Time : 7.00 pm – 8.00 pm
Venue : 1st floor HighStreet, New Wing, One Utama Shopping Mall, Bandar Utama, Selangor
Speaker : Ir. Associate Professor Dr Chin Nyuk Ling

SYNOPSIS

This talk introduces food engineering, by its discipline in terms of education, training and profession. It provides a clear picture of its connectivity with other related engineering disciplines like the Chemical Engineering, Agricultural Engineering and Mechanical Engineering and its differences with the fields in the Food Science and Technology. It gives examples on the common and extended roles of food engineers in the industry from the aspects of

- optimizing and troubleshooting food manufacturing processes,
- approaching process plant designs with food safety features and knowledge,
- balancing process efficiency with food quality and safety requirements,
- process improvisation and improvements in food production, processing and packaging,
- linking the execution processing software and hardware in a manufacturing plant,
- processing of food with nutrition, quality and functional perspectives,
- developing production systems that are environmentally sustainable, and
- reducing waste throughout food supply chain.

BIODATA OF SPEAKER

Chin Nyuk Ling (Ph.D, P.Eng) is an Associate Professor in the Department of Process and Food Engineering, Faculty of Engineering in Universiti Putra Malaysia. She is a registered professional food engineer. She has been lecturing for more than 10 years in subjects on food engineering operations and systems. Her research focuses on modelling, optimisation and design of food processes; including operations like mixing, baking, drying, extraction, etc. Her projects are in collaborations with flour milling and palm oil related companies. She chairs the Agricultural and Food Engineering Technical Division of Institute of Engineers Malaysia and is an editor with Journal of Food and Bioproducts Processing and International Journal of Food Engineering. She has more than 80 journal publications and 1 patent on ultrasonic assisted mixing system for aerated food processing. She won the 2012 Young Researcher Award in the Vice Chancellor Fellowship Award, 2011 Best Lecturer Award and was the finalist of the 2009 Young Educator Putra Award in Universiti Putra Malaysia. She has been appointed as a Foreign Faculty member of the Department of Food Engineering of Faculty of Agriculture, Engineering and Technology of University of Agriculture, Faisalabad, Pakistan. She has delivered talks in national and international workshops, conferences and seminars.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature:

Ir. Assoc. Prof. Dr. Chin Nyuk Ling
Chairman Agricultural & Food Technical Division, IEM