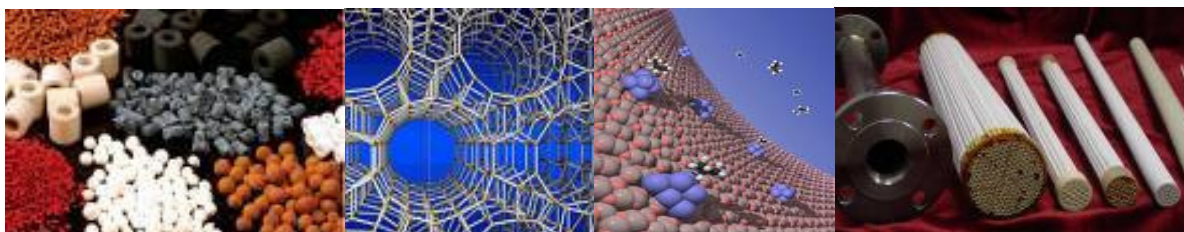


**SNIC Workshop Thermal Analysis & Calorimetry:
Principles, Practice and Applications**

This symposium will give a concise overview of the many thermal analysis techniques, with particular reference to TGA, DSC, coupled techniques, modulated techniques and micro-calorimetry. Extensive applications of these techniques will be discussed together with state-of-the-art instrumentation. The Symposium will be of interest to those in science-based industries who are seeking specialist analytical techniques and procedures for the study of the thermal behaviour of materials under a variety of applied conditions.



Venue	: National University of Singapore Department of Chemistry Room: S8, Level 3, Room 14 Executive Classroom
Date	: Thursday, 28th January 2010
Time	: 8:30 am to 5.00 pm
Chairman	: Professor John Hill, La Trobe University, Melbourne, Australia
Registration Fee	: \$S321.00 for SNIC members } Inclusive \$S374.50 for non-SNIC members } GST Charges



Professor John Hill is a triple graduate of the University of London: BSc – First Class Honours – 1963, PhD – 1967 and DSc – 1992. He also holds a Graduate Diploma in Environmental Management from La Trobe University – awarded in 1998 and a PhD (Chemical Education) from the University of Melbourne (2006). He is a chartered chemist (c.chem) and a Fellow of the Royal Australian Chemical Institute (FRACI), a Fellow of the Royal Society of Chemistry (FRSC) and a Fellow of the Singapore National Institute of Chemistry (FSNIC).

He has held Postdoctoral Fellowships at the University of Lund, Sweden (1967), the University of Louisville, USA (1968) and Brigham Young University, USA (1969). He was appointed as a Research Fellow in the Department of Chemistry, La Trobe University, Melbourne, Australia in 1970. He was subsequently promoted to Lecturer (1973), Senior Lecturer (1980) and Reader/Associate Professor (1990). He was invited to the National University of Singapore as a (visiting) Senior Teaching Fellow (1990-1994). He was Head of the Department of Environmental Management & Ecology, La Trobe University, Albury/Wodonga campus from 1997 to mid-2000. He was subsequently appointed Professor, Pro Vice Chancellor and Head of the Albury/Wodonga campus of La Trobe University from mid-2000, a position which he held until his retirement in 2006.

For registration, please download the form <http://snic.org.sg/events/form2.html>

Group discount: 5% (5 persons) and 10% (6 persons or more) from each Institution/Organisation.

Payment by cheque, in Singapore dollars drawn on a bank in Singapore and made payable to
CMA International Consultants Pte Ltd

[A Symposium Handbook will be supplied to all registrants.]

SNIC Workshop
Thermal Analysis & Calorimetry:
Principles, Practice and Applications

Programme

- 8.30 – 9.00 am Registration and welcome by Prof. Andy Hor, SNIC President
- 9.00 – 9.30 am Thermal Analysis Techniques – Overview
Prof. John Hill, La Trobe University, Melbourne, Australia
- 9.30 – 10.00 am Thermogravimetric Analysis, Prof. John Hill
- 10.00 – 10.30 am Morning Tea Break
- 10.30 – 11.00 am Differential Scanning Calorimetry, Prof. John Hill
- 11.00 – 11.45 am Advanced TA techniques and applications.
Ms Helen He, Support Specialist Manager, Waters-TA LLC., China
- 11.45 – 12.30 pm Thermal Analysis in Fuel Technology.
Dr James Highfield, ICES: A-Star, Jurong Island, Singapore
- 12.30 – 1.30 pm Lunch
- 1.30 – 2.15 pm Introduction to Micro-Calorimetry and applications.
Ms Helen He, Support Specialist Manager, Waters-TA LLC., China
- 2.15 – 2.45 pm Role of Thermal Analysis in polymer nanocomposites
Dr Pramoda K. Pallathadka
- 2.45 – 3.15 pm Applications of Thermal Analysis in Materials Science,
Professor Andy Hor, National University of Singapore
- 3.15 – 3.45 pm Afternoon Tea Break
- 3.45 - 4.15 pm Q & A Session with all presenters, chaired by Prof. John Hill
- 4.15 – 5.00 pm Tour of NUS/Chemistry Thermal Analysis Centre