

**Mr. Dennis Sale**  
Senior Education Advisor  
Singapore Polytechnic (SP)

# Develop Good Thinking: A whole curriculum approach

6<sup>th</sup>-7<sup>th</sup> April 2014

CTL Workshop, UTMLead

This workshop provides a complete and practical approach to integrating, teaching & assessing good thinking (e.g., critical, creative & metacognitive) in any curriculum area. It has been developed from over 7 years of applied research in promoting thinking throughout the curriculum in a wide variety of educational sectors and cultural contexts.

Participants will learn how to write learning outcomes which incorporate specific types of thinking, conduct lessons that develop skill in types of thinking, and design performance-based assessment items to assess thinking. The specific learning outcomes include:

- Identify the role of thinking in learning
- Identify specific types of thinking
- Model good thinking
- Write learning outcomes to incorporate types of thinking
- Evaluate instructional strategies to promote types of thinking
- Design learning tasks to promote types of thinking
- Evaluate a range of assessment methods as tools for assessing types of thinking
- Design assessment rubrics to assess types of thinking

## SPEAKER / FACILITATORS



**Mr. Dennis Sale**  
Senior Education Advisor  
Singapore Polytechnic (SP)



**Prof. Dr. Mohd Zaki Kamsah**  
Director CALPD,  
UTMLead,  
UTM



**Ir. Razali Sulaiman**  
Senior Lecturer  
Faculty of Mechanical Engineering,  
UTM



## About Main Speaker

Mr Dennis Sale is currently the Senior Education Advisor at Singapore Polytechnic (SP). His main role is providing strategic leadership and practical implementation of staff development in curriculum design, teaching and assessment to the various schools and departments at SP. He has also lead a variety of consultancy projects which impact the direction of polytechnic education including the development of a Learning Framework (incorporating a Creative Teaching Model) for SP, implementation of SP's CDIO Engineering Education Framework, designing and implementing SP's 'Thinking Curriculum' which promotes critical and creative thinking. Apart from consultancy works, he has also been invited to conduct numerous training workshops to a wide range of educational institutions in several countries mainly on thinking skills and curriculum development.

His main areas of research include \*Curriculum development\*, \*Creative teaching \*and\* Blended learning\* and for the past 10 years, he has developed original frameworks in these aspects which have been implemented in many educational institutions in Singapore and elsewhere in the Asian region. He has published numerous papers related to T&L, thinking skills and curriculum development. He has recently (in early 2013) published a book entitled "The Challenge of Reframing Engineering Education" which incorporates his vast knowledge and experiences in this area.

He is also serving as an external assessor to the Ministry of Education in Singapore, part time lecturer to the National Institute of Education and Sheffield University.

## Registration Form

|          |                      |                             |
|----------|----------------------|-----------------------------|
| Name     | <input type="text"/> |                             |
| Tel. No. | <input type="text"/> | Mobile <input type="text"/> |
| E -mail  | <input type="text"/> |                             |

Please tick the applicable box

Academic Staff  
**RM800.00**

Students  
**RM 50.00**

The workshop registration fee includes attendance to all sessions and refreshment breaks and workshop materials

### Payment Method :

Please send an invoice

Payment Enclosed Cheque no.   
Payable to Bendahari UTM

Online Payment  
Beneficiary Name : BENDAHARI UTM  
Bank Name : CIMB Bank  
Bank Address : CIMB UTM Branch,  
81310 Universiti Teknologi Malaysia,  
Skudai, Johor  
Account no. : 0118 000 000 1051 / 8006053536 (New)  
SWIFT Code : CIMBBMYKL

Please email the registration form and proof of payment to  
[utmlead@utm.my](mailto:utmlead@utm.my)



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

UTM Academic Leadership (UTMLead)  
Block F54, Graduate Studies Building  
Universiti Teknologi Malaysia  
81310 UTM Johor Bahru  
Johor MALAYSIA

Telephone numbers :  
+607-5537858 (Ms Priscilla)  
Fax number : +607-5537860