

# Teachers Day Workshops (29 June, 2006)

Co-organisor: Education and Manpower Bureau, Hong Kong SAR

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## Rasch Modeling Using WINSTEPS for Teachers

**Professor John Mike Linacre**

*University of Sydney, Australia; Winsteps.com, USA*

Cantonese support from Prof. Magdalena M. C. Mok, The Hong Kong Institute of Education

Part A: Thursday 29 June, 9:45 – 10:30, C-LP-11

Part B: Thursday 29 June, 11:00 – 11:45, C-LP-11

### Contents

Participants are expected to learn about:

- ◆ The significance of quality measurement to educational assessment
  - ◆ The key attributes of quality measurement
  - ◆ The application of WINSTEPS computer program (Linacre, 1999) in analysing assessment data and questionnaire data
  - ◆ The interpretation of outputs from WINSTEPS
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## Lexile Frameworks

**Dr Jack Stenner**

*Lexile*

Part A: Thursday 29 June, 11:45 – 12:30, C-LP-11

Part B: Thursday 29 June, 2:00 – 2:45, C-LP-11

### Contents

Participants are expected to learn about:

- ◆ The Lexile framework for the assessment of writing, which includes: (1) the Lexile Writing Analyzer which estimates student's writing ability in relation to the Native Lexile Writing Item Type (5 minutes planning, 25 minutes of writing), (2) Lexile Writing Map, which represents writer's ability on a developmental scale, and (3) links to daily writing instruction;
  - ◆ Reliability and validity data on the Lexile Framework for writing;
  - ◆ The interpretation of evidence for the multidimensional nature of writing is presented, and
  - ◆ The utility of measuring reading and writing on a common scale.
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## Using Objective Measurement in Schools

**Professor Peter Tymms**

*Durham University, U.K.*

Part A: Thursday 29 June, 2:45 – 3:30, C-LP-11

Part B: Thursday 29 June, 4:00 – 4:45, C-LP-11

This workshop will show how teachers can:

- ◆ Create their own computer based questions
- ◆ Create computer based tests for pupils
- ◆ Administer the tests
- ◆ Analyse their own results.

The workshop will be based on newly developed software designed for teachers in schools. It is known as CADATS (Computer Assisted Design, Analysis and Testing System). The software already holds hundreds of test questions (items) of known difficulty and teachers can create their own adaptive tests using these items. But the possibility of creating new items and sharing them through a centralised bank holds exciting possibilities for the future.

The workshop will deal with some of the theory behind test creation but its focus will be on practicalities.