Workshop: Proficiency Levels and Standards from a Latent Variable Modeling Perspective

**Agenda:**

**Day 1)**

1A) Scale levels  
1B) Classification vs. quantifying  
1C) Ranking  
1D) Ordered equivalency classes  
1E) Observed versus latent variables  
1F) Models with latent variables for test data

**Day 2)**

2A) Latent class models  
2B) Mastery models  
2C) Ordered latent class models  
2D) Discrete IRT models  
2E) Mixture models  
2F) How to use model based approaches to evaluate proficiency levels and standards

**Instructor profile:** Dr. Matthias von Davier is an internationally renowned psychometrician, serving as research director in the Research & Development Division at Educational Testing Service. He is an expert in modern mixture distribution item response theory, cognitive diagnostic modeling. He is the editor-in-chief of the *British Journal of Mathematical and Statistical Psychology* and one of the founding editors of the newly launched journal *Issues and Methodologies in Large Scale Assessments*. In addition, he edited three books on issues in psychometrics and is the author of several software programs for educational measurement, including the popular WINMIRA program. He is a prolific author in the area of measurement and testing.

Additional information about the speaker can be accessed via the following links:  
http://www.education.ox.ac.uk/about-us/directory/dr-matthias-von-davier/  
Sponsor: Research Centre for Psychological and Educational Testing, National Taiwan Normal University

Co-organizer: Chinese Testing Society

Date: 16th ~17th January, 2014 from 9:00 a.m. to 4:30 p.m.

Location: National Taiwan Normal University, Science Education Building 5th floor conference room. Please refer to our map.

Language Medium: English

Registration fee: NT $ 5000 (For convenience, foreign registrants please pay in NT$ in cash on site. Exchange rate is about US$ 1 for NT$ 30. A receipt will be issued also on site.)

Application Deadline: Jan 5, 2014
Accommodation:

Some possible considerations are listed as follows:

1. Howard Civil Service International House

http://intl-house.howard-hotels.com/CT_AsiaPacific2.php?Psn=5537

2. Li Yuan Hotel

http://www.liyuan.tw/about_en.php

3. Friends Hotel Yoxing Regency

http://yoxing.hotel.com.tw/eng/

4. Grand Hyatt Taipei


The National Taiwan Normal University also has guest rooms available for foreign visitors for short visit. Please contact us for information and helps in arrangement.

Contact: Miss Su Hsiang-Ni (02) 7734-1361

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This workshop will introduce the operation of a software package developed by the instructor. Participants are strongly advised to bring their own notebook computers.