

**The Ministry of Education and Science of the Russian Federation**  
**Slaviansk-on-Kuban State Pedagogical Institute**  
Slavian Chapter of Institute for Objective Measurement  
Laboratory for Objective Measurement

**Dear colleagues!**

**The organizing committee invites you to share in activity 9-th All-Russia  
(with International Participation) Workshop**

## **Theory and Practice of Measurement of Latent Variables and 3-nd Summer School**

### **Measurement of Latent Variables (Rasch Measurement)**

Lecturer of the Summer School

D.Sc., Prof. Anatoli A. Maslak

#### **THE MAIN SCIENTIFIC DIRECTIONS OF THE SUMMER SCHOOL**

- 1. The theory and practice of educational measurement**
- 2. Investigation of Rasch measurement precision based on simulation**

**The Workshop** is held June 22, 2007 in Slaviansk-on-Kuban State Pedagogical Institute, Kubanskaja street, 200, Slaviansk-on-Kuban of Krasnodar Territory, Russia  
June 21 - day of arrival; June 22 - day of departing

**The Summer School** is held June 21 - July 1 2007 on the coast of Black sea – in the summer camp "AMBER" (Veselovka village, Temrjuk rajon, Krasnodar Territory). Departure to the Summer School - from Slaviansk-on-Kuban State Pedagogical Institute - on June 22, at 17 o'clock.

#### **THE PROGRAM OF THE SUMMER SCHOOL**

- 1. Introduction to the measurement of latent variables**
- 2. Traditional test theory: merits and drawbacks**
- 3. Measurements based on Rasch Model**
- 4. Computer program RUMM – Rasch Unidimensional Measurement Models**
- 5. Interpretation of computer program RUMM output**
- 6. Analysis of test and test items quality**
- 7. Computer training on estimation of Rasch model parameters**
- 8. Investigation of Rasch measurement precision depending on number of items, number of item levels, correlation of items**
- 9. Examples of Rasch measurement in education, psychology, sociology, public health**
- 10. Rasch measurement in Russia and abroad**
- 11. Round table «The Role of the Fulbright Program in Promoting Modern Technologies in Social Sciences»**

Participants can submit assignment work that will be marked and they receive a certificate of participation. A registration fee for participation in the conference – USD 20. Cost of the Summer School (including per diem and lodging in the summer camp "AMBER") – USD 300. Payments should be made at the meeting.

#### **Application Form**

Paper title:

It's scientific direction on the workshop:

Name of the author (authors):

Scientific rank:

Place of activity and position:

Telephone number:

E-mail address:

Names & addresses of authors: Names must be given in their proper order (presenter name first)

**Abstract:**

(maximum 100 words, to be published in the workshop program):

**Theses:**

Theses should have four clearly identified sections: Problem, Method, Results, and Implications (maximum 10000 characters). The theses should be made out by the way of printed text - format of page A4, each field 25 mm (1 inch), font size - 14, Times New Roman through 1 interval) or by the way of file in the format .doc or .rtf, on a diskette 3,5". Paper presentations (15 minutes) may be focused on either empirical findings or theoretical analysis.

Application form for participation in workshop, and also the application form for training at Summer School is asked to e-mail till June 1, 2007 to the address: [sgpi\\_nauka@mail.ru](mailto:sgpi_nauka@mail.ru).

Confirmation of receipt will be sent by e-mail to the presenter author.

Notification of acceptance will be made till June 10, 2007.

For any other information please apply to Anatoliy A. Maslak, (e-mail: [anatoliy\\_maslak@mail.ru](mailto:anatoliy_maslak@mail.ru), phone +7-86146-43043).