

Identification and assessment of giftedness | Oral Presentation

OP - (ECHA2021-16975) - HIGH ABILITIES AND VOCATIONAL TRAINING: SYSTEM REQUIREMENTS

Oleksandr Burov (Ukraine)¹

1 - Institute of Information Technologies and Learning Tools

Abstract

Introduction

Work requirements are changed accelerating fast. To achieve professional success for a human, it becomes insufficient to develop general intelligence, gain knowledge and skills. It is more and more necessary to consider the personal and psychophysiological traits of the individual, his/her abilities to effectively adapt to the requirements of the chosen profession and intelligent human-system integration.

Objectives

To develop the model and technique to assess the systemic compliance of student's abilities, and his/her intellectual and personal traits to mitigate possible inconsistencies.

Methods

The analysis of the nowadays' most demanded and future jobs from viewpoint of job requirements and psychological features; modified R. Amthauer test of intellect structure; original and extended Hilchenko-Makarenko technique to measure strength and functional mobility of nervous processes; Myers-Briggs Type Indicator, and Lüscher Color Test (Pair Selection).

Results

It has been developed five-dimensional matrix described the high-quality job performance as integration of organizational-technical (work process) features, psychological features (human dimension), the actual human intellectual, personal and physiological abilities measured. The on-line technique has been developed to measure those indices and to assess the extent to which they match the requirements of the job. To assess the coincidence, a 3-level scale was developed: low, medium, high. Those levels could assess which indices of the student corresponded preferable jobs well or were needed to be developed.

Conclusions

It is proposed the concept, model and on-line tool to assess correspondence of the student's abilities and the selected job requirements, as well as his/her traits needed in vocational training.

Palavras-chave : High abilities, model, assessment, future job