

**METHODOLOGICAL AND SCIENTIFIC COMMUNICATION SESSION**  
**"VASILE ȚIFUI MEMORIAL"**  
**"Creativity and innovation through means of virtual learning – digital challenges"**

**Argument**

Innovation, the explosion of information caused by the utilisation of the internet, next to unlimited communication through informatized social networks and the continuous development of the latest technologies are signs of a deep transformation occurring within our entire civilization. This transformation transposes itself into a challenge for the educational medium. Centered in a period for teachers, in another for students, the educational act addresses everyone today, in equal measure, through learning across our entire lifetime.

This year's edition of the international session of methodological and scientific communication "Vasile Țifui Memorial" promotes, in the aforementioned context, the transfer of innovations from and towards the formal and informal mediums, vertically. The session may pose a good opportunity for an exchange of experience to be made concerning the different aspects of the utilization of IT means of education and to discuss the important elements for the reform of the curriculum by all participants of this session – students, preuniversity and university professors, specialists in the Ministry of Education and trainers from software production companies.

**Objectives**

The general objective is the vertical transfer of innovation, from informal to formal environments, through the utilization of digital technologies.

Specific objectives

- fostering excellence in the study of mathematics and informatics;
- stimulating and motivating students capable of school performance;
- implication of students and teachers in the development of creativity and innovation in a scientific domain;
- achievement of digital products meant to ensure lifetime learning through the durable development of education in an European context;

**Discussion themes**

- raising the level of performance of the educational act, through access to information and utilization of digital products;
- encouragement of innovation in the teaching process;
- utilization of digital products during courses;
- achievement of digital products applicable in the teaching process;
- application of active participation methods in educational activities;
- innovative methods for achieving superior standards in methodological and scientific activity, based on competences with performance indicators;
- means and techniques of digital communication;
- utilisation of digital means with the scope of developing scientific reasoning in domains connected to the discipline of informatics;
- the virtual environment of education;
- creation of innovative mediums in education, with the help of digital products, for the realisation of interdisciplinary lectures;
- creation of educational contexts – stimulative formatives, for ensuring excellence in education;
- examples of transcultural lessons achieved with the help of digital technologies;

**Method of development**

This year's edition of the international session of methodological and scientific communication "Vasile Țifui Memorial" will occur under the form of a webinar.

People interested may apply as debate participants. As a *debates participant*, every person will support their opinion in relation to the themes approached by the speakers.

Additionally, they may forward a thesis on the themes mentioned at the top which will be published in an electronic format in an educational ISBN CD. The thesis will be elaborated in 1-3 pages formatted A4 (Times New Roman font, size 12).

For participation the signing up form will be completed, found on the site <http://cni.nt.edu.ro>, section Contest. Person of contact: Daniel Dorobanțu, email: danielcristinad@yahoo.com.