



INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session:

“Smart Universities: Paradigms and Mechanisms for Digital Transformation of Education and Economy.” (PMDTE&E 2023)

Name, Title and Affiliation of Chair:

**Prof. Natalia A. Serdyukova,
Russian Customs Academy, Komsomolsky prospect 4, Moscow region, Lyubertsy, 140015,
Russia,
Plekhanov Russian University of Economics, Stremyanny lane 36, Moscow, 117997, Russia**

Details of Session (including aim and scope):

Currently, digital transformation processes cover almost all spheres of our society, combining real and virtual worlds. Economy and education are the links of this combining. This position determines the choice of invited session scope.

**The aim of PMDTE&E 2023 is to clear up questions from the following scope
Digital transformation of education:**

- 1. Theoretical substantiation of the objective need for the digital transformation of education and the economy in modern conditions.
The topics of interest include, but are not limited, to:**
 - prospects for the digital transformation of education and the economy in modern conditions,
 - directions of digital transformation of education and economy in modern conditions,
 - principles of digital transformation of education and economy in modern conditions,
 - models of digital transformation of education and economy in modern conditions,
 - methods of digital transformation of education and economy in modern conditions.
- 2. Foundations of digital transformation in education:
The topics of interest include, but are not limited, to:**
 - mechanisms of digital transformations of the system and management processes of a smart university,
 - mechanisms of digital transformations of education in natural - scientific disciplines,
 - mechanisms of digital transformations of education in special disciplines,
 - mechanisms of digital transformations of the learning control system and processes.
- 3. Foundations of digital transformation in the economy:
The topics of interest include, but are not limited, to:**
 - mechanisms of digital transformations of the system and processes of managing the economy of a smart university,
 - mechanisms of digital transformations of the smart university financing system and processes,
 - mechanisms of digital transformations of the system of internal control and audit of the smart university.
- 4. Foundations of digital transformation:
The topics of interest include, but are not limited, to:**
 - paradigms of digital transformations,
 - paradigms of mathematical foundations of digitalization,
 - mathematical foundations of digitalization,
 - mechanisms of digital transformations.

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Main Contributing Researchers / Research Centres (tentative, if known at this stage):

Website URL of Call for Papers (if any):

**Email & Contact Details: nsns25@yandex.ru,
Russian Customs Academy, Komsomolsky prospect 4, Moscow region, Lyubertsy, 140015,
Russia,
Plekhanov Russian University of Economics, Stremyanny lane 36, Moscow, 117997, Russia**