



Program of the workshop « Mathematical Modeling and Control of Complex Technical Systems»

Program of the Day (May 16, 2025)

Location: Leškova 3A, Bratislava

OPENING OF THE WORKSHOP

09:00 – 09:10 – MISHURIS G., GAŽIOVÁ A. Opening of the conference–Main objectives and organization

09:10 – 09:15 – ISTENES I. Welcome speech by the organizer

09:15 – 09:20 – DANISHEVSKYY V. Director of the Educational and Scientific Institute «Prydniprovsk State Academy of Civil Engineering and Architecture», Ukrainian State University of Science and Technologies. Welcome speech

PRESENTATIONS

09:20 – 09:40 – VOLCHOK D. Optimal modeling of properties of ultra-large tire shells

09:40 – 10:00 – LYKHODII O, MALYI V.. Modeling of truck's steering trapezoid mechanism to determine its optimal parameters

10:00 – 10:20 – CHABAN V. Modeling of nonlinear oscillations and analysis of stress-strain state - for suspended and cable-stayed structures

10:40 – 11:00 – UZHELOVSKYI A. Automated control system for a micro hydroelectric station using neurocontroller regulation

11:00 – 11:20 – KARASEV A. Initial imperfection influence on the buckling load of closed elastic isotropic shallow conical shells

11:50 – 12:00 – *Coffee break*

PRESENTATIONS

12:00 – 12:20 – BERKY R. Numerical simulation of RPV melting in conditions of DEC accident scenario

12:20 – 12:40 – VERSHKOVA Y. Analytical and Numerical Analysis of Panels with Deeply Profiled Cladding layer

FINAL CEREMONY

12:40 - 12:45 – GAŽIOVÁ A.: Farewell words

12:45 – End of the Day

LINK / QR TO THE MEETING:

<https://shorturl.at/r8RjF>

