

V INTERNATIONAL CONFERENCE MIST: AEROSPACE-V 2023: ADVANCED TECHNOLOGIES IN AEROSPACE, MECHANICAL AND AUTOMATION ENGINEERING

Keynote Speakers



PROF. ANDREJ ŠKRABA

Cyberphysical systems: modelling and simulation

Andrej Škraba is Professor of Information Systems at the University of Maribor serving as the Associate Dean for Development at the Faculty of Organizational Sciences. Škraba's research interests cover systems theory, modeling and simulation, cyber-physical systems, the internet of things and decision processes. He received a Bronze Medal from the University of Maribor for successful research and pedagogical work in the field of Systems Modeling and Simulation. Škraba obtained his BSc, MSc and PhD in the field of Organizational Sciences from the University of Maribor in 1995, 1998, and 2001, respectively. He is a member of the board of directors of EUROMICRO (European Association for Advanced Information Technology and Microelectronics).



DR. PROF. IGOR KARTSAN

Mathematical model for pointing and holding the energy signal of a solar space power plant

Doctor of Technical Sciences, Professor, Marine Hydrophysical Institute, Russian Academy of Sciences, Sevastopol, Russia
His thematic areas of work are on space navigation systems, Analysis of the operational readiness of telecommunication networks, Optimization of the control algorithm for heterogeneous robotic agricultural monitoring tools, Synthesis of an optimal algorithm for processing random signals during phase direction finding. He has more than 300 scientific publications.

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PROR. NIKOLAY TESTOYEDOV

Main scientific results in the field of space communication systems, relaying, navigation

Academician of the Russian Academy of Sciences, Doctor of Engineering, professor of the Satellites Department at Reshetnev University, Zheleznogorsk, Russia

The scientific areas are methods for testing mechanical systems in weightlessness, experimental testing of mechanisms for spacecraft with a long service life, deployment of satellite antennas and solar batteries, and space materials science.

He personally participated in the development and testing of the spacecraft Molniya-3, Raduga, Horizont, Ekran, Ekran-M, Luch, Express, GEO-IK, GLONASS .

Author of more than 100 scientific papers, including 4 inventions. Conducts teaching activities: Professor of the Spacecraft Department of the Siberian State Aerospace University named after Academician M. F. Reshetnev.



DR. PROF. MIRZO Z. SHARIPOV

Magneto-Optical Properties of Rare-Earth Terbium Ferrite-Garnet

Doctor of Physics and Mathematics, Professor, Vice-rector for research and innovation of Bukhara Engineering Technological Institute, Bukhara, Uzbekistan

His scientific interests include physics, communication systems, materials science and mathematical modelling.

The report will be devoted to the model of the rearrangement of the domain structure of the Tb_{0.2}Y_{2.8}Fe₅O₁₂ garnet ferrite in the temperature region of the spontaneous reorientation of the easy magnetization axis is proposed, which makes it possible to consistently describe (at a qualitative level) the entire set of experimental results obtained.