

**The 21st International Scientific Conference
INFORMATION TECHNOLOGIES AND MANAGEMENT**



20st – 21st April 2023

PROGRAMME

**Hosted by
ISMA University of Applied Sciences
Riga, Latvia**

Programme and Timetable

April 20, 2023

ISMA University of Applied Sciences (*Build.7, Room 315*)

- 13.30** Registration
- 14.00** Opening of the 21st International Conference Information Technologies & Management 2023
Greetings to the Conference
Professor Deniss Djakons, ISMA Rector
- Plenary Session (*Build.7, Room 315*)
The Head of the Session assist. Professor Mironova Julija
- 14.15** The competitiveness of Georgian regions and the primary mechanisms that facilitate sustainable development
Badri Gechbaia, Levan Gvarishvili.
- 14.30** Management of Helvetica Publishing House during the Russian-Ukrainian war in the field of supporting the scientific community of Ukraine
Kateryna Golovko
- 14.45** Sustainable Development Goals in Higher Education Institutions: the Case of Klaipėdos valstybinė kolegija
Remigijus Kinderis
- 15.00** Global Human Capital Transformations Under The Influence of Digitalization and Creativization
Nataliya Kuznetsova
- 15.15** Tax complexity and its negative influence on the business environment in Brazil
Simone Amorim
- 15.30** The Role of Ajara Tourist Routes in the Cultural Tourism
Ermile Meskhia
- 15.45** Improvement of the motivation system for the company in the highly regulated industry
Verdenhofa Olga, Kozlova Aleksandra
- 16.00** The Analysis of Intellectual Capital Formation at the Scientific Institutions
Inese Spica, Baiba Berzina, Ernests Spics, Rozite Katrina Spica
- 16.15** Development disparity of three Baltic states: Latvia, Lithuania and Estonia
Yuri Kochetkov, Elena Sventitskaya
- 16.30** Modern directions of development of the construction business in Ukraine
Kaliuzhko Olena, Dehtjare Jevgenija
- 16.45** Strengthening education systems and innovation
Viktorii Riashchenko
- 17.00** Coffee break

April 21, 2023

Section 2 (Build.6, Room 109)

**NANO TECHNOLOGIES, COMPUTER MODELLING AND INFORMATION
COMMUNICATION TECHNOLOGIES**

The Head of the Session Professor Viktors Gopejenko

- 11.30** Construction of the model for ab initio calculations of chalcopyrites
Aleksejs Gopejenko
- 11.45** AI-based support system Miskantas-20
for the assessment of knowledge and achievements
Alytis Gruodis
- 12.00** Modeling of Naphthalimide Dimethylaniline Compounds. Problems of TICT
Simulations
Alytis Gruodis
- 12.15** Theoretical modelling of the processes in nanodevices: Problems and
perspectives
Emma Shidlovskaya
- 12.30** Development the Mobile Application for Preventive Eye Muscle Training
and Strengthening Device EYE ROLL
Viktors Gopejenko
- 12.45** Overview of Databases and Innovative Data Storage Technologies
Aleksandr Igumenov, Violeta Jadzgevičienė
- 13.00** Systemic Dynamic Conceptual Model of Sustainable Development in the
Energy Coordinate System
Inese Trusina, Viktors Gopejenko
- 13.15** Effective diffusion coefficient in a two dimensional lattice with periodical
inclusions
Juris Roberts Kalnins
- 13.30** Automatic Face Recognition using Machine Learning and Feature
Extraction Techniques
Hamza Rauf
- 13.45** Face Mask Object Detection By Using Yolo Neural Network
Bharath Kumar Venukanti
- 14.00** Constructions of multiplicative inverses with function values through the
mean proportional in a right triangle. Metro algorithm
Alexander Kovantsov, Vladislav Ivanov
- 14.15** Development of a basic security policy in the company retail chain Zobox
Piyush Bhardwaj

Section 3 (Build.7, Room 315)

CONTROLLING THE SIGNAL FIELDS OF ORGANIZATION

The Head of the Session Professor Kopitovs Rostislavs, Kelsina Dina

- 17.00** Evaluation of University Position in New Conditions
Djakons Romans
- 17.15** Requirements for Organisation's Position Detection
Djakons Romans, Karajevs Vsevolods, Kelsina Dina, Kopitovs Rostislavs
- 17.30** Fine Signal Detection Technology
Kopitovs Rostislavs
- 17.45** Technology Design Limitations
Karajevs Vsevolods
- 18.00** BPO Functions of Performance Technology
Kelsina Dina

Section 3

CONTROLLING THE SIGNAL FIELDS OF ORGANIZATION

The Head of the Session Professor Kopitovs Rostislavs, Vsevolods Karajevs

- 18.30** BPO Maintenance
Santhirasegaram Elena
- 18.45** ROI - formula or technology?
Ustynov Roman
- 19.00** Organization's Potential Growth Programme
Glebs Akimovs, Vsevolods Karajevs, Irina Kazina, Rostislavs Kopitovs
- 19.15** Goal-setting Methodology
Bhumika Umesh Vavaliy, Gannesh Reddyn Santhosh Ragam, Afreen Sheikh
- 19.30** Implementation of Modern Management using Cloud Based Solutions
Thirumavalavan Santhirasegaram
- 19.45** Potential Growth Evaluation of BPO Organization
Vsevolods Karajevs, Rostislavs Kopitovs

ISMA University of Applied Sciences

The Head of the Session Professor Viktors Gopejenko

- 15.00** Internet Conference - Kazakhstan, Ukraine
- 16.00** Discussion and section's concluding remarks
- 16.15** Conference summary and Decision making
- 16.30** Lunch