IT&M 2025 Programme and Timetable, 2025 April 24 – 25

April 24 16:00	ISMA University of Applied Sciences
Section 1: Systems Approach: Advanced Methodologies Design, **Aud. 5-217** The Head of the Session Professor Kopitovs Rostislavs, Vsevolods Karajevs	

1.	**Romans Djakons**	Assessing the Growth Potential of a University: Applying Systems Engineering Productive Applications
2.	**Rostislavs Kopitovs**	Engineering System Approach: Maintaining the Logical and Physical Data Independence
3.	**Romans Djakons, Vsevolods Karajevs, Rostislavs Kopitovs**	Metasystem Object Design Under Conditions of the Anticipatory Environmental Impact
4.	**Murathan Ergin, Emil Babazade, Vasif Mammadov, Murad Rajabov**	Maintenance Engineering System to System Design
5.	**Shokhzhakhon Tursumamatov**	Methodology of the System Approach: Identification of the Object of the System
6.	**Valeryan Vonogradov**	A System Approach to Overcoming the Extreme Circumstances Consequences During a Forced Loss of Controllability
7.	**Glebs Akimovs, Irina Kazina, Olga Kamforina**	Enhancing Reputational Standards: Expanding the System Developer's Areas of Responsibility
8.	**Marah Adel Ahmed Ameen Hussein**	Responsible Right to Maintain the System
9.	**Jesús J. Cantero López**	Analysis of Innovations for Compliance With the Property of Emergence
10.	**Samer Hassan**	Software Engineering and Technologies of Information Systems Design: Goal-Setting Technology Design
11.	**Romans Djakons, Vsevolods Karajevs, Dina Kelsina, Rostislavs Kopitovs**	Ensuring the Emergence Property Preservation: Applying the Multi_User Loyalty Effect
12.	**Alex Cobzaru, Andreea Mihalache**	Embedding a New Element into the System: Belated Algorithmization
13.	**Jesús J. Cntero López**	Emergent Property Peculiarity: Using Software Engineering
14.	**Sunnatjon Akhmedjanov, Nikita Petkuns, Anastasija Vostrikova**	Using Survey Results as a Tool for Developing Software Maintenance Requirements
15.	**Bruno Dāvis Orinskis, Matvejs Jeršovs**	Application Systems Engineering Theory in Solving System Analysis Tasks
16.	**Stephen Mathew**	Analysis of Presentations on ROI and the DIKW Model
17.	**Keerthana Mohan**	Needs Analysis Self-Organizing System
18.	**Robby Bonu Khurshidova**	An Actual Object Maintenance
19.	**Ioana-Cristina Cebotarean, Cristina-Lorena Popa**	Loyalty Methodology
20.	**Amber Johar**	On One ROI Methodology Application
21.	**Kamola Polvonova**	Methodological approach: development of the document "Executive summary"
22.	**Elnur Jafarov**	Applying Agile Principles to ROI Methodology Design
23.	**Mustafa Yumuşakkaya, Hamdi Eren Kuşcalı**	Innovating ROI Methodologies and Goal= Setting Systems for Organizational Systems
24.	**Grigorita Anastasie**	Iidentifying the Weakest Link in the Software Development System
25.	**Yusuf Karahan**	The Advanced Side of ROI Technology: A Systems Theory-Style Description
26.	**Vsevolods Karajevs**	Methodology of Full-Scale System State Estimation
27.	**Romans Djakons, Rostislavs Kopitovs**	ROI Methodology Application to Define the System's Goal-Setting Tools

April 25 14:00	ISMA University of Applied Sciences

Section 2; Smart Materials, Computer Modelling, ICT and Sustainability. **Aud 5-217**
The Head of the Session Professor Viktors Gopejenko

1.	A. Gopejenko, A. Gruodis, Purans, D. Bocharovs, S. Piskunov	Development of YO and YHO Models for Ab Initio Calculations
2.	Emma K Shidlovskaya	Theoretical Modelling of the Processes in Nanodevices: Problems and Perspectives
3.	Alytis Gruodis	Molecular Geometry and Electronic Excitations. Quantum Chemical Simulations of Organic Semiconductors
4.	Atif Yaseen, Lidija Kraujalienė, Inga Bilinskienė	The impact of AI, energy use, economic growth and exports on carbon emissions in Japan
5.	Atif Yaseen, Lidija Kraujalienė, Inga Bilinskienė	Economic Impact of Green Deal in the Baltic States: Balancing Growth and Sustainability
6.	Inese Trusina	A new vision of sustainable development in the context of contemporary development of society and information technologies
7.	Yevhen Holovko	Automation of Proving the Programs Correctness In the Frama-C System
8.	Magal Arachchige Sahan Dasantha Magalarachchi, Viktors Gopejenko	Analysis of Usage Topological Functioning Model in Model-Based Testing
9.	Mani Mehta, Viktors Gopejenko	Enhancing Credit Card Fraud Detection Through Machine Learning Technique
10.	Syed Zeeshan, Viktors Gopejenko	Defining a Need of a Corporate CRM System of an Enterprise PEN in India
11.	Alexander Mrochko.	Modeling the passage of information signal and noise through individual units within a communications chain.

April 25 12:00	ISMA University of Applied Sciences & Baltic Career Association (BCA)

Section 3: Innovations in Career Counseling in the Era of Turbulence, **Aud. 5-202**
The Head of the Session PhD Inta Lemešonoka

1.	Inta Lemešonoka	Future Occupations in the Changing Conditions of Labour Market and Socio-economic Situation in the 21st Century.
2.	Oksana Sergeja	The Importance of the Career Counselor's Role for Adults in Today's Realities.
3.	Ulyana Nazarova	Competency-Based Approach in Career Guidance: New Diagnostic Methods in the Context of Global Turbulence.
4.	Lyudmila Fomkina	Ways to Increase the Motivation of Young People to Professional Formation in the Turbulence of the Modern World.
5.	Nadezhda Doronina-Koltan	Metaprogram-based Techniques as an Effective Tool in Career Counseling.
6.	Veranika Khlud	Transformation of youth Values and its Impact on the Nature of Career Tracks
7.	Free discussion and masterclasses from speakers	
8.	Networking from BCA.	

April 25 14:00	ISMA University of Applied Sciences	

Section 4: Innovation-Driven Entrepreneurship and Tourism: Bridging Technology and Business Strategy.
Aud 5-201
The Head of the Session Professor Viktoriia Riashchenko, assist Professor Julia Mironova

1.	Riashchenko, Julija Mironova, Marina Celika, Shymanovska-Dyanich Lyudmyla, Rasuljon Juraboev	AI-Driven Decision Making in Entrepreneurial Ecosystems
2.	Viktoriia Riashchenko, Julija Mironova, Valentina Djakona, Bohdan Kolomiiets, Rasuljon Juraboev	Risk, Imagination, and the Machine: Leveraging AI for Creative Problem-Solving in Entrepreneurial Decision-Making
3.	Karyna Viskovatykh, Iryna Shevtsova	AI-Powered marketing: How Artificial Intelligence is revolutionizing customer engagement
4.	Shokhrukh Khoshimov	Digital Marketing and Customer Service Improvement in the Field of Museums and Educational Tourism in Uzbekistan
5.	Maksudov Mashkhurbek1	Role of Information Systems and Management to Enhance Quality of Education in Private Universities in Uzbekistan
6.	Rostislav Popov	The Role of Information Technology in Managing Global Supply Chains
7.	Yekaterina Kim, Ivan Persiyanov, Vadim Savelyev, Vladislav Vopilov	Development of a Simulation Model of an IT Company Project Management System in AnyLogic
8.	Yekaterina Kim, Ayaulym Alimbekova, Assanali Zeinegabylov, Rinat Rakhmanov	Algorithm for integrating a virtual assistant into a mobile application for studying stochastic modeling methods
9.	Yekaterina Kim, Ilya Syssa, Yalkunzhan Yussupov, Kirill Shestakov	Development of a model for predicting food delivery time based on order data
10.	Libin John Antony	Impact of social media influence on promoting gastronomic tourism in Kerala
11.	Claudia García González and Natascha de Neef	The Price of Paradise: How Mass Tourism Shapes Tenerife
12.	Alex George	Developing marketing strategy to promote eco tourism in Kerala
13.	Lakshmi Deepu	Trends in tourism in India
14.	Muazzam Jorayeva	Trends in tourism in Uzbekistan
15.	Nagaraj	Historical Events and Their Impact on Tourism Development in India
16.	Yana Borisovskaya	Gastronomic festivals as iattraction instrument for tourists
17.	Nargiza Yusupova	Analysis of marketing activities and creation of loyalty program for LABRAINS enterprise
18.	Ron Kandathil Joseph	Medical and Health Tourism in India: Opportunities for Growth and Ethical Challenges
19.	Naseer Zafar	Development of Religious Tourism in Pakistan
20.	Theshan Wasala	Digital Transformation in Sri Lanka Tourism
21.	Akanksha	Development of the technologies in tourism industry
22.	Priyal Jitendrakumar Shah	The Rise of Solo Travel: Opportunities and Risks
23.	Nataliia Ishchenko, Serhii Bondarchuk, Svitlana Gura	Modern Information Technologies: a Path to Sustainable Tourism Destination Management
24.	Anna Shevchenko, Marina Celika, Irina Dernova	Modern Marketing Approaches in the Promotion of Power Tools
25.	Rachnaben Deepakbhai Parmar	Smart Tourism and Sustainable Destination Management
26.	Arturas Simanavicius , Justas Lesciukaitis	Peculiarities of tourism risk perception
27.	Kateryna Polupanova, Oleksiy Mints, Zaneta Simanaviciene, Yevheniia Miliaieva	Research into the phenomenon of self-organization of online communities to counter disinformation and manipulation

April 25 14:00	ISMA University of Applied Sciences	
Section 5: Problem of Innovative Education and Decision Making. **Aud 5-111** The Head of the Session assist. Professor Catherine Koryuhina, assist. Professor Tatjana Shamshina		
1.	Jekaterina Korjuhina, Tatjana Shamshina	The AI Challenge for Modern Universities.
2.	Jekaterina Korjuhina, Tatjana Shamshina	Possibilities of the uzdevumi.lv Educational Platform for Teaching at a University.
3.	Khilola Sattarova, Sanobarhon Ismoilova	Role of Foreign Experience in Using Innovations in Higher Education
4.	Vadim Obukhov, Asadillo Abdullayev	Determining Plant Stress Levels Using Arduino
5.	Muslimakhon Shokirova	Leveraging Blockchain Technology to Enhance Supply Chain Transparency in E-Commerce
6.	Khilola Sattarova, Sanobarhon Ismoilova2	Role of Foreign Experience in Using Innovations in Higher Education
7.	Muslimakhon Shokirova, Shakhboz Sobirov	The Role of Artificial Intelligence in Predicting Consumer Behaviour in Online Retail
8.	Khabibullaeva Ominakhon, Olimov Avazbek	The Role of Innovations in Economic Development
9.	Apolinarija Kantoroviča, Anastasija Volgina, Tatjana Šamšina	Cirka šapito konstrukcijas matemātiskā modelēšana un vizualizācija
10.	Arina Horta, Andrejs Kalinins, Tatjana Šamšina	Ražošanas tvertņu matemātiskā modelēšana un optimizācija
11.	Jekaterina Andrezene, Svetlana Puka	The evolution of beauty standarts: how Victorian obsession resonate in today' s tech-driven, image-focused world
12.	Volodislavs Zahvatovs, Svetlana Puka, Tatjana Šamšina	Analytic rewiew and using custom formulaic structures on the example of the moral standards and values of Victorian Society reflected in The Picture of Dorian Gray
13.	Anastasija Kulbovska, Jeļena Arsentjeva	Impact of Social media technologies on English language learning
14.	Aleksejs Krilovs , Romāns Soņņikks, Vera Dzergača, Tatjana Šamšina	Trokšņa izolācijas procesa modelēšana un izpēte mūzikas studijas organizēšanai
15.	Alina Molozeva, Vera Dzergača, Tatjana Šamšina	Strāvas rezonanse kā stipruma un sprieguma efektīvs instruments elektrotīkliem
16.	Andrejs Barans, Daniels Judins, Vera Dzergača, Tatjana Šamšina	Augstas temperatūras ietekme uz automašīnu riepu izturību

April 25 14:00	ISMA University of Applied Sciences	
Section 6: Information Technology Trends and Innovations. *Aud 5-102* The Head of the Session assist Professor Amit Joshi		
1.	Akil Arvinth Malayandipattinam Vasudevan	Blockchain-Based Academic Records verification: Analysis and Framework Development
2.	Wenzel Audrin Barboza	Automated number plate detection system using CNN in distributed systems
3.	Borda Priti	Machine learning based prediction of stock market trends
4.	Abel Pareeckamolel Laiju	An assessment of web development frameworks and their performance
5.	Kanda Gamage Praboda Hasan	Ethical AI in Healthcare: Balancing Innovation with Patient Privacy and Security in the Era of Generative AI and Large Language Models (LLMs)
6.	Ashithosh Nithin	Integration of Artificial Intelligent agent with Blockchain Technology
7.	Paulinus T. Ogunjiofor	Docker containerization / Home automation using Internet of Things IoT
8.	Antony Jimson Poruthukkaran	AI-Powered Sentiment Analysis for Social Media Content
9.	Joseph Rufus Parthiban Maria Dasan	Exploring latest NewSQL and NoSQL and SQL databases.
10.	VIJAY BANGARU ABIRAM KOTANI	Data Analytics solutions for software companies
11.	AL E ALI	Assessing the Impact of IoT on Real Time Supply Chain Tracking and Automation
12.	Sooriya Warman Sankar	Ethics of AI: Investigating the ethical implications of AI in privacy, bias, and decision-making
13.	Aydin Dadashzade	Smart Crowd Analytics: Harnessing AI and Computer Vision in Real-Time
14.	Praneet Goel	THE IMPACT OF VIRTUAL REALITY ON LEARNING AND EDUCATION
15.	Dhruvil Bharatbhai Dhameliya	Real-time Drone Detection using Conventional Neural Network
16.	Zokir Urinboev	AI-Driven Automation for Personalized E-Commerce: A Framework for Store Creation, Content Generation, and Customer Feedback Analysis

April 25 14:00	ISMA University of Applied Sciences	
Section 7: ROBOTICS Technology Trends and Innovations. *Aud 5-102* *The Head of the Session assist Professor Amit Joshi*		
1.	Rayani Minoli Warnakulasuriya Don Fernando Boris Khrustalev Beno Benny Ifra Zaidi Daria Zharova Harivaradan Chandrasekaran Dinel Davis Savio Joseph Sithum Nethupriya Naidahandi Sharjan Ahammed Meledath Viraj Narendrakumar Bhatti Anvar Toshpulatov Naveen Ani Ranjeet Singh Firase Abdulkhader Dilan Janaka Hewarahinduwage Bhathiya Induwara Jayasena Asror Buriev Krishnapriya Assariveetil Unnikrishnan Sasindu Sudara Kumarage Benthera Uhan Ovita. Haritha Vadakkekkara Boby Ajil Iesus Joby	ROBOTICS Technology Trends and Innovations

April 25 20:00	ISMA University of Applied Sciences

Section 8: Information and Communication Technologies, *Online*
The Head of the Session Professor Viktors Gopejenko, Associate Professor Khotunov Vladyslav

1.	**Andrii Trubetskoi, Maiia Liuta, Breus Roksolana**	Theoretical Aspects of Selecting a Machine Learning Method for Cryptocurrency Price Prediction
2.	**Andrii Tysovskiy, Maiia Liuta, Viktoriia Nemchenko**	Resources for Generating Software Code to Work with Databases in Mobile Android Devices
3.	**Khotunov Vladyslav, Kulyk Oleg, Burmistrov Serhii**	Real-Time Audio Stream Aggregation in Bluetooth Personal Networks
4.	**Khotunov Vladyslav, Lutsenko Maksym, Marchenko Stanislav**	Text Recognition in Challenging Conditions Using Neural Network-Based Computer Vision Algorithms
5.	**Khotunov Vladyslav, Netavskyi Kyrylo, Nochevnov Dmitrii**	Uav Signal Classification Using Neural Networks and Spectrogram Analysis
6.	**Khotunov Vladyslav, Sirenok Hryhorii, Zakharova Mariia**	Development of an Arduino-Based Automated Plant Irrigation System
7.	**Maiia Liuta**	Selecting Metrics for Quantifying Software Quality
8.	**Maksym Vichkan, Maiia Liuta, Kateryna Kholupniak**	Overview of Approaches to Software Implementation Super-Resolution
9.	**Natalya Falchenko**	Using Tools To Integrate Visual Applications With Relational Databases To Create Software In The Educational Process
10.	**Trukhan Oleh, Maiia Liuta, Marharuta Medolyz**	Information System for Operational Management of Rescue Operations During The Use of Special equipment

April 25 18:00	ISMA University of Applied Sciences

Section 9: Information Systems and Business Management, *Online*
The Head of the Session Professor PhD Nataliya Kuznetsova

1.	**Alona Buzko, Nataliya Kuznetsova**	General Trends in the Tobacco Market Development in Europe
2.	**Veronika Bilyk, Nataliya Kuznetsova**	Peculiarities of Strategic Development Formation for Professional Services Market Enterprises in Modern Conditions
3.	**Volodymyr Onopriienko, Nataliya Kuznetsova**	Features of Communication Activities of Enterprises in the Non-Food Retail Market in the Electronics and Home Appliances Segment in Ukraine
4.	**Anna Shevchenko**	Modern marketing approaches in promoting power tools
5.	**Sofiia Tarasiuk**	Modern trends in the development of agricultural enterprises in Ukraine
6.	**Oleksandr Hudarenko, Sergii Poliakh**	Mechanism for supporting retail businesses during martial law
7.	**Anna Tumanova, Sergii Poliakh**	Pharmaceutical market of Ukraine: status and development trends
8.	**Nataliya Kuznetsova**	The Impact of the Creative Economy on the Socio-Economic Development of Cities, Regions, and Countries
9.	**Margaryta Skrypnyk**	Comparative Analysis of Models for Assessing Financial Statement Falsification in Companies
10.	**Danylo Kryvenko, Viktor Zdir**	Implementation of Digital Technologies in Production: benefits for VEDISPROM LLC
11.	**Nataliia Khliebnikova, Anatolii Marenych**	Human Resource Potential as a Factor in Ensuring the Competitiveness of Enterprises
12.	**Sergii Poliakh**	Evaluation of interaction programs between state structures, local governments and businesses to ensure regional sustainability
13.	**Dmytro Lebediev, Viktor Zdir**	Problems of staff motivation in the Ukrainian labor market during the war