

ISMA Informācijas
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IT&M
2018

The 16th International Scientific Conference Information Technologies and Management

26 - 27 April 2018

Programme



**SATBAYEV
UNIVERSITY**

Riga, Latvia

- 13:30 Registration, Room 314
 14:00 **Assoc. Professor Denis Dyackon, ISMA Rector**
 Opening of the 16th International Conference *Information Technologies & Management 2018*
 14:10 **Professor Roman Dyackon, ISMA President**
 Greetings to the Conference

PLENARY SESSION, Room 314

The Head of the Session Professor Viktors Gopejenko

- 14:15 **S Varbanov, Y Dyachenko, I Skarga-Bandurova**
 Functional structure of autonomous intelligent agent
 14:45 **A Gruodis, A Magomedov, V Getautis**
 Novel materials for molecular electronics
 15:15 **L Shymanovska-Dianychn, T Ishcheikin**
 Mind-management as a modern management tool for an organization
 15:45 **Coffee break**

Section 1 NANO TECHNOLOGIES, Room 313

The Head of the Session Professor Viktors Gopejenko

- 16:00 **Y F Zhukovskii, S Piskunov, O Lisovski, E Spohr**
 Suitability of WS2 nanotubes with different morphology for photocatalytic water splitting: First principles simulations
 16:15 **A Gopejenko, Y F Zhukovskii, Y A Mastrikov, E A Kotomin, P V Vladimirov**
 Ab initio simulations of the Y, Ti and O solute interactions in fcc-Fe lattice in presence of VFe vacancies
 16:30 **E K Shidlovskaya**
 Theoretical modelling of nanodevices in the frameworks of embedded molecular cluster model
 16:45 **J R Kalnin, E A Kotomin**
 The Effective diffusion coefficient in two-dimensional systems
 17:00 **V Jadzgevičienė**
 Web Based Project Management: Software Evaluation
 17:15 **V Orehovs**
 Emulation problems while using the sphere of shemotechnical model of NI Multisim in the training process
 17:30 **A Pashko**
 Accuracy of simulation of fractional Brownian motion
 17:45 **B Bissarinov, R Mussabayev, A Bissarinova**
 Collective method in solving the Big Data clustering problems
 18:00 **K Nechval, D Tserentogtokh**
 Design and optimization of spatial motion lambda mechanism for the flaps
 18:15 **K Nechval, D Nyambayar**
 Improvement of the winglets shape in the wing
 18:30 **K Nechval, E Batjargal**
 Solution problem of the determination of fail fasteners and structural joints

Section 2 COMPUTER MODELLING AND INFORMATION TECHNOLOGIES, Room 301

The Head of the Session Professor Alexander Mrochko

- 16:00 **A Khmil**
 Technology for creating brand book for the purpose of forming the image of the student government MO KNUE
 16:15 **D Kravchenko**
 The impact of IT-technologies on business
 16:30 **H Anikovich**
 Image of a tourist enterprise as a factor of competitiveness
 16:45 **A Savitskaya**
 The development of tourism in the Republic of Belarus
 17:00 **N Mayurnikov**
 Professional and personal competences of "ideal manager"
 17:15 **V Gopejenko, M Smolakovs**
 Data storage systems as the company's operating efficiency tool
 17:30 **A Pucinsh, V Gopejenko**
 Development of virtual infrastructure for "Believe IT" company using Microsoft Hyper-V
 17:45 **A Djukarevs, A Mrochko**
 Building and virtualization a failover cluster of servers in a logistics company
 18:00 **V Grivinsh, A Mrochko**
 Information system project development for firm "Universal Pilot Group"
 18:15 **V Gopejenko, S Fedziukovich**
 Software realization of the BLIF to EDIF file converter

Section 3 PROBLEM OF INNOVATIVE EDUCATION AND DECISION MAKING, Room 217*The Head of the Session Professor Ivars Linde*

- 16:00 **T Fedartsova**
Practice-oriented training of specialists on tourism and hospitality in the system of the higher education of republic of Belarus
- 16:15 **C Koryuhina, T Shamshina**
Challenges of ICT in education
- 16:30 **V Labeev, C Koryuhina, Shamshina, Yu Shamshin**
Correlation of 1st year students testing results on maths with examination marks: conclusions and proposals
- 16:45 **R Kinderis, J Jonuševičienė**
Brand value of higher education institution
- 17:00 **N Kusnetsova**
Practical steps to implement the concept of Learning Cities

Section 4 DEVELOPMENT OF BUSINESS ADMINISTRATION, Room 314*The Head of the Session Professor Marga Zhivitere*

- 16:00 **Evita Pilege**
Challenges and opportunities of entrepreneurship in age of data economics
- 16:15 **Z Oborenko, M Zhivitere, M Bezpartochnyi**
The change of disability policy to employment disabled persons: gaps in Latvia's practice
- 16:30 **D Konrade**
Green thinking and no waste in catering and novel food from plant by products
- 16:45 **O Mancheva-Ali, V Dimitrova**
The Future of Hospitality Management: Where Specialized Software and Hotel Operations Meet
- 17:00 **G Kabduyeva, M Živitere**
Kaizen philosophy and its role in management
- 17:15 **M Yelubayeva, T Petrova, M Živitere**
Improving management system in the public health organizations at the present stage
- 17:30 **B Aliev, Yu Kochetkov**
Strategies of Latvian enterprises in international competition
- 18:00 **D Vasiljevs**
Opportunities for developing ecotourism in Latvia
- 18:15 **A Rogale-Homika**
Cluster project: electronic online educational and certification system for employees of the tourism industry
- 18:30 **S Iudaeva**
Some aspects of alternative tourism development in the world and Latvia
- 18:45 **H Minkevich**
Hotel property in Belarus

Section 5 INNOVATION AND DEVELOPMENT OF BUSINESS ADMINISTRATION, Room 218*The Head of the Session Professor Victoria Riashchenko*

- 16:00 **V Riashchenko, M Bezpartochnyi**
Innovation – Sources of competitive advantage in the value chain of tourism enterprises
- 16:15 **H Bagratyan, I Klipa**
Historical trends in the distribution of income and their impact on national labour markets
- 16:30 **N Bakalo, V Makhovka**
Psychological aspects of personnel management of tourism enterprises
- 16:45 **R Bilovol, O Goloborodko, I Amelina**
Organizational engineering in the system of management of an enterprise
- 17:00 **I Chernysh, A Glebova**
Theoretical aspects of product quality management as a factor of competitiveness of enterprises in international market
- 17:15 **A Glebova, O Zernyuk**
Peculiarities of formation of marketing and logistic systems at modern enterprises of the building industry
- 17:30 **O Grishnova, A Kozlovskyy**
Social impact of in-house share service business centers implementation in multinational companies
- 17:45 **M V Hunchenko**
Competitiveness in the Conditions of Global Instability: Prospects of Agrarian Enterprises Financing
- 18:00 **I Kravchenko, A Aleksanyan**
Informational economy: extension of opportunities of human development in social and labour sphere
- 18:15 **I Krekoten**
Investments in the tourism industry
- 18:30 **O Maksymenko**
Development of tourism industry in Poltava region
- 18:45 **I Markina, M Somych, D Diachkov**
Key problems of ensuring food security in the context of globalization
- 19:00 **M Pesocka**
Methods of adaptive personnel administration
- 19:15 **N Azmuk**
Human vs artificial intelligence in the process of labour
- 19:30 **M Vasylychenko, O Khrystenko, A Chaikina**
Implementation of project management concept for innovations in the context of organization design

April 26

ISMA University, Bld. 7

Section 5 SUPERB ORGANIZATIONS, Room 316

The Head of the Session Professor Rostislav Kopitov, Zhanna Mikrjukova and Stanislav Miscenko

- 16:00 **Zh Mikrjukova**
Coordination communication mechanisms of management
- 16:15 **A Iskandarov, A Kovaleva, D Peshkova**
Influence of technology of vision on mission of the organization
- 16:30 **V Dangele, V Karaev, T Bazarbaev**
Methods of Estimation of the Demands to Professionals in Business Management Based on the Greiner's Model"
- 16:45 **D Bukas**
Adaptation as the connecting link of dynamics and manageability
- 17:00 **N Kopitova**
Systematization of elements of a procedure, orientated towards measuring an enterprise's effectiveness
- 17:15 **A Amangeldiyev**
Detailed examination of a business project process
- 17:30 **D Kelsina, A Mamedrzaev**
Mechanisms of full-scale protection of the organization
- 17:45 **R Kopitov, A Merentsova, J Miltuze, N Novikova, S Sultanmahmudov, V Oleshko, A Tugarina**
Specificity of value estimation of multifunctional enterprises
- 18:00 **S Miscenko**
Parallax in the process of paragenesis of management products
- 18:15 **G Akimov, A Amangeldiyev, O Kamforina, I Kazina, R Kopitov, R Zaharov**
Algorithms for calculation of discounting rates during various life cycles of an organization
- 18:30 **M Zybina**
Cluster organisation resource features of auditing
- 18:45 **M Bruk, R Kopitovs**
Superb Organizations object in general

April 27

ISMA University, Bld. 7

- 10:00 **WORKSHOP OF BUSINESS ADMINISTRATION PROBLEMS, Room 313**
The Head of the Session Professor Marga Zhivitere
- 10:00 **Internet Conference Kazakhstan, Ukraine, Bulgaria**
The Head of the Session Professor Viktors Gopejenko
- 12:00 **Discussion and section's concluding remarks**
- 12:30 **Conference summary and Decision making**
- 13:00 **Lunch**
- 18:30 **10th Festival "ISMA invites talents"**
At Riga Congress Hall (5 Kr. Valdemara Str., Riga)