



UNIVERSITY OF NATIONAL AND WORLD ECONOMY

The Spirit Makes The Power

**7TH INTERNATIONAL CONFERENCE ON APPLICATION OF
INFORMATION AND COMMUNICATION TECHNOLOGY AND STATISTICS
IN ECONOMY AND EDUCATION
(ICAICTSEE – 2017)**

November 3 – 4th, 2017

University of National and World Economy

Sofia, Bulgaria

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ICAICTSEE-2017

CONFERENCE PROGRAM

November 3rd, 2017

09:30 – 10:00 – Registration (Big Conference Hall)

10:00 – 12:00 – Conference Official Opening (Big Conference Hall)

12:00 – 13:30 – Lunch Break

13:30 – 15:30 – Sessions (according to the schedule)

15:30 – 16:00 – Coffee Break

16:00 – 18:30 – Sessions (according to the schedule)

18:30 – Gala Dinner

November 4th, 2017

10:00 – 12:30 – Sessions (according to the schedule)

12:30 – 13:00 – Lunch Break

13:00 – 16:00 – Sessions (according to the schedule)

16:00 – Conference Closing

Prof. Dr. Dimiter Velev
Director of Science Research Center for Disaster Risk Reduction
University of National and World Economy
UNSS, 8 December str., Student Town,
Sofia 1700, Bulgaria, Europe

Room: 5038
Tel: +359 2 8195 393
Email: dgvelev@unwe.bg

NOVEMBER 3RD, 2017

10:00 – 12:00

Conference Official Opening (Big Conference Hall)

WELCOMING THE ICAICTSEE-2017 PARTICIPANTS

KEYNOTE SPEECH 1

BUSINESS ICT OPPORTUNITIES IN TAIWAN

Patty Lin

Director of Taiwan Trade Center, Sofia, Bulgaria

KEYNOTE SPEECH 2

IT SOLUTIONS AS INTEGRAL PART OF TELECOMMUNICATIONS

Alexander Savchev

VIVACOM Information Technologies

DISCUSSION

GROUP PHOTO

NOVEMBER 3RD, 2017

SESSION I - 13:30 – 15:30 - **BIG CONFERENCE HALL**

SESSION CHAIR: PROF. D.SC. (ECON.) EMIL DENCHEV

PAPER	TITLE
BG-01	BUILDING A MODEL FOR CONSOLIDATING INFORMATION IN CLUSTERS BY SMALL AND MEDIUM ENTERPRISES Emil Denchev University of National and World Economy, Sofia, Bulgaria
BG-04	IT INFRASTRUCTURE OF THE BIG BULGARIAN ORGANIZATIONS - PROBLEMS AND SOLUTIONS Petia Emilova, Teodora Spasova D. A. Tsenov Academy of Economics, Svishtov, Bulgaria
BG-17	TOURISM MOBILE APPLICATIONS – DEVELOPMENT BENEFITS AND KEY FEATURES Iskren Tairov D. A. Tsenov Academy of Economics, Svishtov, Bulgaria
BG-22	CHALLENGES AND DRIVING FORCES FOR DEVELOPMENT OF INDUSTRY 4.0 ECOSYSTEM IN BULGARIAN CONTEXT Albena Antonova Center of IST, Sofia University St. Kl. Ohridski, Sofia, Bulgaria
BG-24	PROFITABILITY OF TOTAL ASSETS – A FACTOR FOR DYNAMICS OF ENTERPRISE'S EQUITY PROFITABILITY Rositsa Ivanova University of National and World Economy, Sofia, Bulgaria
BG-33	SOME ESTIMATES BELLOW THE MODULUS OF SOME INTEGRALS IN THE COMPLEX PLANE USING SYMMETRIC POLYNOMIALS FOR N=7 IN THE CONJECTURE Todor Stoyanov Stoyanov University of Economics - Varna, Varna, Bulgaria
BG-27	MICROECONOMIC NATURE OF THE E-COMMERCE MARKET Maya Tsoklinova University of Forestry, Sofia, Bulgaria
BG-37	THE ROLE OF KEY INDICATORS IN PUBLIC ORGANIZATIONS MANAGEMENT Rosen Kirilov, Gabriela Naskova University of National and World Economy, Sofia, Bulgaria

BG-39	<p>PROBLEMS IN THE IMPLEMENTATION OF MOBILE INFORMATION TECHNOLOGIES IN THE HOTEL INDUSTRY IN BULGARIA</p> <p>Natalia Marinova, Tsvetelin Borisov D. A. Tsenov Academy of Economics, Svishtov, Bulgaria</p>
BG-40	<p>ABOUT THE ROLE OF SOFTWARE PROJECT MANAGEMENT METHODOLOGIES TO INCREASE PROJECT SUCCESS RATES</p> <p>Igor Dudnyk, Svetlana Vasileva VUM, Varna, Bulgaria</p>
BG-43	<p>INTEGRATION OF INFORMATION SYSTEMS IN THE MANAGEMENT OF PUBLIC PROJECTS</p> <p>Rosen Kirilov University of National and World Economy, Sofia, Bulgaria</p>
BG-44	<p>POSSIBILITIES FOR CARRYING OUT SWOT ANALYSIS IN THE IMPLEMENTATION OF INFORMATION SYSTEMS</p> <p>Rosen Kirilov University of National and World Economy, Sofia, Bulgaria</p>
BG-38	<p>DATA WAREHOUSE DEVELOPMENT METHODS ENSURING KEY INDICATORS' SYSTEM</p> <p>Gabriela Naskova University of National and World Economy, Sofia, Bulgaria</p>

SESSION II – 13:30 – 15:30 - SMALL CONFERENCE HALL

SESSION CHAIR: ASSOC. PROF. DR. ALEXANDER NAIDENOV

PAPER	TITLE
BG-10	<p style="text-align: center;">THE TRAVELING WAVE SOLUTIONS OF A SPATIAL SIR MODEL</p> <p style="text-align: center;">Kiril Mihaylov¹, Elica Ilieva¹, Mario Iliev²</p> <p style="text-align: center;">¹Faculty of Mathematics and Informatics, Sofia University St. Kl. Ohridski, Sofia, Bulgaria ²Faculty of Physics, Sofia University St. Kl. Ohridski, Sofia, Bulgaria</p>
BG-12	<p style="text-align: center;">APPLICATION OF THE SIMPLEST EQUATION METHOD FOR OBTAINING EXACT TRAVELING-WAVE SOLUTIONS FOR REACTION-DIFFUSION PDES WITH NONLINEARITIES</p> <p style="text-align: center;">Nikolay K. Vitanov^{1,2}, Ivan P. Jordanov^{1,2}</p> <p style="text-align: center;">¹IMECH - Bulgarian Academy of Sciences, Sofia, Bulgaria ²University of National and World Economy, Sofia, Bulgaria</p>
BG-15	<p style="text-align: center;">ELECTRONIC PNEUMATIC SYSTEMS FOR CARGO VEHICLES</p> <p style="text-align: center;">Tihomir Todorov¹, Mario Iliev²</p> <p style="text-align: center;">¹Burgas Free University, Burgas, Bulgaria ²Faculty of Physics, Sofia University St. Kl. Ohridski, Sofia, Bulgaria</p>
BG-23	<p style="text-align: center;">APPLYING THE NATIONAL PROCESS METADATA STRUCTURE TO THE BULGARIAN LABOUR FORCE SURVEY DATA PRODUCTION PROCESS</p> <p style="text-align: center;">Alexander Naidenov</p> <p style="text-align: center;">University of National and World Economy, Sofia, Bulgaria</p>
BG-30	<p style="text-align: center;">OPTIMIZATION AND ANALYSIS OF CARGO SHIPS MOVEMENT WITH SPSS</p> <p style="text-align: center;">Miglena Ivanova</p> <p style="text-align: center;">University of National and World Economy, Sofia, Bulgaria</p>
BG-31	<p style="text-align: center;">AN APPLICATION OF SOME ANALYTIC TECHNIQUES FOR SOLVING A NONLINEAR DIFFERENTIAL EQUATIONS</p> <p style="text-align: center;">Kostadin Sheiretsky, Meglena Lazarova</p> <p style="text-align: center;">University of National and World Economy, Sofia, Bulgaria</p>
BG-51	<p style="text-align: center;">CASH, CARD OR MOBILE PAYMENTS</p> <p style="text-align: center;">Victor Petrov</p> <p style="text-align: center;">University of National and World Economy, Sofia, Bulgaria</p>
BG-47	<p style="text-align: center;">INFORMATION SECURITY CULTURE IN BUSINESS ORGANIZATIONS</p> <p style="text-align: center;">Konstantin Poudin</p> <p style="text-align: center;">University of National and World Economy, Sofia, Bulgaria</p>

SESSION III – 16:00 – 18:30 - BIG CONFERENCE HALL

SESSION CHAIR: ASSOC. PROF. DR. LUBEN BOYANOV

PAPER	TITLE
BG-02	<p>AN ANALYTICAL OUTLOOK TOWARDS DIGITAL TRAINING SECURITY TRANSFORMATIONS</p> <p>Luben Boyanov¹, Zlatogor Minchev², Antoan Georgiev³, Alex Tsvetanov⁴</p> <p>¹ University of National and World Economy, Sofia, Bulgaria ² Institute of ICT, Bulgarian Academy of Sciences, Sofia, Bulgaria ³ PMG "St. Kliment Ohridski", Montana, Bulgaria ⁴ SMG "Paisii Hilendarski", Sofia, Bulgaria</p>
FA-01	<p>REGIONAL INNOVATION POLICY AND ITS EFFECT IN JAPAN — A CASE STUDY OF REGIONAL INDUSTRY PROMOTION POLICY BY USING OPEN SOURCE SOFTWARE</p> <p>Tetsuo Noda, Run Duan Shimane University, Matsue-City, Japan</p>
FA-02	<p>A CLASSIFICATION STUDY OF ITS (INTELLIGENT TRANSPORT SYSTEMS) RELATED ACTIVITIES CONDUCTED IN EU MEMBER STATES</p> <p>Run Duan, Tetsuo Noda Shimane University, Matsue-City, Japan</p>
BG-03	<p>SOFTWARE FAULT PATTERNS - THE PROJECT</p> <p>Vladimir Dimitrov Faculty of Mathematics and Informatics, Sofia University St. Kl. Ohridski, Sofia, Bulgaria</p>
BG-21	<p>COMPARATIVE ANALYSIS OF ELECTRIC SPHYGMOMANOMETERS OF DIFFERENT DESIGN</p> <p>Lubomir Lahtchev Institute of Robotics at Bulgarian Academy of Sciences, Sofia, Bulgaria</p>
BG-48	<p>SYSTEM ARCHITECTURE OF SOFTWARE FOR MEDIA MONITORING</p> <p>Plamen Milev University of National and World Economy, Sofia, Bulgaria</p>

SESSION IV - 16:00 – 18:30 - SMALL CONFERENCE HALL

SESSION CHAIR: ASSOC. PROF. DR. MONIKA TZANEVA

PAPER	TITLE
BG-05	OVERCOME THE CHALLENGES OF A TRADITIONAL BI STACK Hristo Kirilov Dzovaras University of National and World Economy, Sofia, Bulgaria
BG-06	INFRASTRUCTURE OF INFORMATION SYSTEM OF THE MINISTRY OF JUSTICE Vasil Zhbantov University of National and World Economy, Sofia, Bulgaria
BG-07	ANALYSIS AND PROBLEMS IN INTERNET OF THINGS COMMUNICATION ENVIRONMENT Veliko Ivanov University of National and World Economy, Sofia, Bulgaria
BG-16	CYBER SECURITY – SEVEN BASIC PRINCIPLES FOR SELF CONTROL IN WORK ENVIRONMENT Nedko Tagarev University of National and World Economy, Sofia, Bulgaria
BG-18	STATE OF THE ART JAVASCRIPT APPLICATION DEVELOPMENT WITH VUE.JS Katina Kyoreva University of National and World Economy, Sofia, Bulgaria
BG-20	SCENARIO PARADIGM FOR UNFOLDING SERVICE DESIGN FUTURES Vanya Slantcheva-Baneva MT&M College, Sofia, Bulgaria
BG-26	USING MACHINE LEARNING TO PREDICT WEB AND MOBILE BEHAVIOR OF USERS Venko Andonov University of National and World Economy, Sofia, Bulgaria
BG-28	BUILDING IOT SOLUTION FOR BETTER UNIVERSITY USING IBM WATSON IOT PLATFORM Geno Stefanov University of National and World Economy, Sofia, Bulgaria
BG-29	MODELS AND APPROACHES OF IOT IN EDUCATION Nikolai Kaskatiiski University of National and World Economy, Sofia, Bulgaria
BG-34	THE SIGNIFICANCE OF CLOUD COMPUTING IN TODAY'S IT SOCIETY Yanko Nikolov University of National and World Economy, Sofia, Bulgaria

BG-35	<p style="text-align: center;">CLEANING DATA WITH CLOUD BASED PLATFORM TOOLSETS</p> <p style="text-align: center;">Yavor Christov University of National and World Economy, Sofia, Bulgaria</p>
BG-36	<p style="text-align: center;">OPPORTUNITIES FOR IMPROVEMENT OF THE UNIFIED INFORMATION SYSTEM FOR HUMAN RESOURCES MANAGEMENT IN THE STATE ADMINISTRATION</p> <p style="text-align: center;">Daniela Krasteva University of National and World Economy, Sofia, Bulgaria</p>
BG-49	<p style="text-align: center;">TECHNOLOGICAL ISSUES OF RETRIEVING INFORMATION FROM UNSTRUCTURED DATA</p> <p style="text-align: center;">Yavor Tabov University of National and World Economy, Sofia, Bulgaria</p>

NOVEMBER 4TH, 2017

SESSION V - 09:00 – 11:30 - BIG CONFERENCE HALL

SESSION CHAIR: PROF. DR. DIMITER VELEV

PAPER	TITLE
FA-03	<p>THE VALIDATION OF THE SAFETY ATTITUDES QUESTIONNAIRE FOR HOSPITALS IN TAIWAN</p> <p>Meng-Chen Lin¹, Yii-Ching Lee², Chih-Hsuan Huang¹, Cheng-Feng Wu³, Hsin-Hung Wu⁴</p> <p>¹School of Business Administration, Hubei University of Economics, Wuhan City, Hubei Province, China ²Department of Health Business Administration, Hung Kuang University, Taichung City, Taiwan; Quality Management Center, Shanghai Changtai Medical Technology Co. Ltd., Shanghai City, China ³School of Logistics and Engineering Management, Hubei University of Economics, Wuhan City, China ⁴Department of Business Administration, National Changhua University of Education, Taiwan Department of M-Commerce and Multimedia Applications, Asia University, Taichung, Taiwan</p>
FA-04	<p>IDENTIFYING THE ATTRIBUTES OF SATISFACTION OF PATIENT SAFETY CULTURE ON THE PERCEPTIONS OF PHYSICIANS AND NURSES</p> <p>Chih-Hsuan Huang¹, Yii-Ching Lee², Meng-Chen Lin¹, Cheng-Feng Wu³, Hsin-Hung Wu⁴</p> <p>¹School of Business Administration, Hubei University of Economics, Wuhan City, Hubei Province, China ²Department of Health Business Administration, Hung Kuang University, Taichung City, Taiwan; Quality Management Center, Shanghai Changtai Medical Technology Co. Ltd., Shanghai City, China ³School of Logistics and Engineering Management, Hubei University of Economics, Wuhan City, China ⁴Department of Business Administration, National Changhua University of Education, Taiwan Department of M-Commerce and Multimedia Applications, Asia University, Taichung, Taiwan</p>
FA-05	<p>'WHAT MATTERS TO NURSES': A STUDY ON THE INFLUENCES ON SATISFACTION OF PATIENT SAFETY CULTURE IN NOVICE NURSES AND GENUINE NURSES</p> <p>Cheng-Feng Wu¹, Yii-Ching Lee², Chih-Hsuan Huang³, Meng-Chen Lin³, Hsin-Hung Wu⁴</p> <p>¹School of Logistics and Engineering Management, Hubei University of Economics, Wuhan City, China ²Department of Health Business Administration, Hung Kuang University, Taichung City, Taiwan; Quality Management Center, Shanghai Changtai Medical Technology Co. Ltd., Shanghai City, China ³School of Business Administration, Hubei University of Economics, Wuhan City, Hubei Province, China ⁴Department of Business Administration, National Changhua University of Education, Taiwan Department of M-Commerce and Multimedia Applications, Asia University, Taichung, Taiwan</p>
FA-06	<p>ANALYZING CRITICAL FACTORS OF MEDICAL TREATMENT LOYALTY FROM A CASE HOSPITAL WITH A FRIENDLY ENVIRONMENT FOR ELDERLY PATIENTS</p> <p>Yin-Ju Shih¹, Hsin-Hung Wu²</p> <p>¹Office of President, Show Chwan Health Care System, Changhua City, Taiwan Global Executive Master of Business Administration Program, Department of Business Administration, National Changhua University of Education, Changhua City, Taiwan School of Logistics and Engineering Management, Hubei University of Economics, Wuhan City, China ²Department of Business Administration, National Changhua University of Education, Taiwan Department of M-Commerce and Multimedia Applications, Asia University, Taichung, Taiwan</p>
FA-07	<p>THE CHALLENGE OF TECHNICAL AND NON-TECHNICAL LOSS DETECTION USING FUZZY LOGIC: A SURVEY OF THE ELECTRIC POWER SYSTEM IN ALBANIA</p> <p>Jorida Ajçe (Konica) Distribution System Operator, ESS, Tirana, Albania</p>

FA-08	<p align="center">THE USE OF CRYPTO CURRENCIES AND THE DEVELOPMENT OF CRYPTO ECONOMY AS THREATS TO THE FINANCIAL SECURITY OF THE STATE</p> <p align="center">Natallia Zachosova Cherkasy National University named after Bogdan Khmelnytsky, Cherkasy, Ukraine</p>
FA-09	<p align="center">HOW DIGITAL TECHNOLOGIES ARE CHANGING THE PROCESS OF PERSONNEL MANAGEMENT CIVIL SERVICE</p> <p align="center">Natalia Altukhova, Elena Vasileva Financial University under the Russian Federation Government, Moscow, Russia</p>
FA-10	<p align="center">MODEL OF FORMATION AND DEVELOPMENT OF INTELLECTUAL TEAMS</p> <p align="center">Nadiia Kalyta, Svitlana Ponomarova Kharkiv National University of Radio Electronics, Kharkov, Ukraine</p>
FA-11	<p align="center">“USER-SYSTEM” INTERACTION PERSONALIZATION AS A WAY OF LOWERING RISKS IN MANAGEMENT ACTIVITY</p> <p align="center">Yurii Furtat National Academy of Sciences of Ukraine, Pukhov Institute for Modeling in Energy Engineering, Kyiv, Ukraine</p>
FA-12	<p align="center">“USER-SYSTEM” INTERACTION PERSONALIZATION AS A WAY OF LOWERING RISKS IN MANAGEMENT ACTIVITY</p> <p align="center">Yurii Furtat National Academy of Sciences of Ukraine, Pukhov Institute for Modeling in Energy Engineering, Kyiv, Ukraine</p>
FA-13	<p align="center">APPLICATION OF THE CORRELATION METHOD FOR THE IDENTIFICATION OF MODELS OF LINEAR DYNAMIC SYSTEMS</p> <p align="center">Vitaliy Ivanyuk, Volodymyr Fedorchuk Kamianets-Podilsky National Ivan Ohienko University, Kamianets-Podilsky, Ukraine</p>
FA-14	<p align="center">MODELLING SUPPORT FOR SITUATIONAL CENTERS</p> <p align="center">Vladimir Kosolapov IMMSP NASU, Kiev, Ukraine</p>
FA-15	<p align="center">MODELING AND CODING OF THE SPATIAL OBJECT WITH THE USING OF PARAMETRIC SPLINES</p> <p align="center">T.Vlasova, T.Romanenko IMMSP NASU, Kiev, Ukraine</p>
FA-16	<p align="center">SYSTEMS ANALYSES OF NETWORK TRAFFIC FILTERING BASED ON THE SPECIFIED CRITERIA</p> <p align="center">M.M. Karimov¹, Sh.R. Gulomov¹, S.M. Sagatova² ¹Department of Providing information security, Tashkent University of information technologies named after Muhammad al-Kharizmi, Tashkent, Uzbekistan ²Tashkent State Technical University named after Islam Karimov, Uzbekistan</p>

SESSION VI - 09:00 – 11:30 - SMALL CONFERENCE HALL

SESSION CHAIR: ASSOC. PROF. DR. ALEXANDER NAYDENOV

PAPER	TITLE
BG-08	<p style="text-align: center;">QUASI STEADY-STATE APPROXIMATIONS IN HUMAN DEVELOPMENT MODELING</p> <p style="text-align: center;">Elena V. Nikolova¹, Ivan P. Jordanov^{1,2} ¹IMECH - Bulgarian Academy of Sciences, Sofia, Bulgaria ²University of National and World Economy, Sofia, Bulgaria</p>
BG-09	<p style="text-align: center;">DYNAMIC ANALYSIS OF A SOCIO-ECONOMIC SYSTEM WITH TIME-DELAY</p> <p style="text-align: center;">Ivan N. Dushkov¹, Ivan P. Jordanov^{1,2} ¹Faculty of Preschool and Primary School Education, Sofia University St. Kl. Ohridski, Sofia, Bulgaria ²University of National and World Economy, Sofia, Bulgaria</p>
BG-11	<p style="text-align: center;">TEACHING MATHEMATICS CLASSES FOR EXTRACURRICULAR ACTIVITIES: PERELMAN'S METHOD OF SOLVING POISSON'S TASK</p> <p style="text-align: center;">Ivan N. Dushkov¹, Vasil M. Mladenov² ¹Faculty of Preschool and Primary School Education, Sofia University St. Kl. Ohridski, Sofia, Bulgaria ²21 High School "Hristo Botev", Sofia, Bulgaria</p>
BG-13	<p style="text-align: center;">THEORETICAL AND PRACTICAL ASPECTS OF THE EFFECTIVE SOLUTIONS IN MULTI-OBJECTIVE OPTIMIZATION</p> <p style="text-align: center;">Miroslava Y. Ivanova University of National and World Economy, Sofia, Bulgaria</p>
BG-14	<p style="text-align: center;">MATHEMATICAL MODELING OF MIGRATION WITH LINEAR REACTION-DIFFUSION PDES</p> <p style="text-align: center;">Ivan S. Ivanov¹, Denislav Z. Serbezov², Veselin G. Boiadzhiev¹ ¹University of National and World Economy, Sofia, Bulgaria ²IMECH - Bulgarian Academy of Sciences, Sofia, Bulgaria</p>
BG-19	<p style="text-align: center;">DIVIDED DIFFERENCES AND ONE PROBLEM FROM INTERNATIONAL COMPETITION FOR UNIVERSITY STUDENTS</p> <p style="text-align: center;">Teodora Zapryanova, Diko Souroujon University of Economics - Varna, Varna, Bulgaria</p>
BG-25	<p style="text-align: center;">THE PROBLEM OF MEASUREMENT IN THE REVISED CONCEPTUAL FRAMEWORK OF IFRS</p> <p style="text-align: center;">Fanya Filipova University of Economics - Varna, Varna, Bulgaria</p>
BG-32	<p style="text-align: center;">MAIN DESIGN STAGES OF KEY PERFORMANCE INDICATORS</p> <p style="text-align: center;">Snejina Lazarova University of National and World Economy, Sofia, Bulgaria</p>
BG-33	<p style="text-align: center;">SOME ESTIMATES BELOW THE MODULUS OF SOME INTEGRALS IN THE COMPLEX PLANE USING SYMMETRIC POLYNOMIALS FOR N=7 IN THE CONJECTURE</p> <p style="text-align: center;">Todor Stoyanov Stoyanov University of Economics - Varna, Varna, Bulgaria</p>

BG-41	<p align="center">INFORMATION ASPECTS OF ADMINISTRATIVE SERVICES</p> <p align="center">Katia Kirilova University of National and World Economy, Sofia, Bulgaria</p>
BG-42	<p align="center">OPPORTUNITIES TO REENGINEERING ADMINISTRATIVE PROCESSES</p> <p align="center">Katia Kirilova University of National and World Economy, Sofia, Bulgaria</p>
BG-45	<p align="center">FORCING EXECUTION PLANS FOR SPECIFIC QUERIES USING QUERY STORE IN SQL SERVER 2016</p> <p align="center">Veska Mihova University of National and World Economy, Sofia, Bulgaria</p>
BG-46	<p align="center">QUERY PERFORMANCE MONITORING USING QUERY STORE IN SQL SERVER 2016</p> <p align="center">Veska Mihova University of National and World Economy, Sofia, Bulgaria</p>
BG-50	<p align="center">METHODOLOGY FOR EVALUATION OF PLAYERS PERFORMANCE IN CYBERSECURITY COMPUTER ASSISTED EXERCISES</p> <p align="center">Nikolay Tomov, Filip Andonov, Irena Nikolova ¹ BULSIM, ² NBU, ³ SRTI-BAS</p>

SESSION VII - 12:30 – 15:00 - BIG CONFERENCE HALL

SESSION CHAIR: ASSOC. PROF. DR. ROSEN KIRILOV

PAPER	TITLE
FA-17	KNOWLEDGE BASE WITH MODALITIES FOR INFORMATION TECHNOLOGY OF SITUATION MANAGEMENT Oleksiy E. Kovalenko IMMSP NASU, Kyiv, Ukraine
FA-18	ADMINISTERING BIG DATA PLATFORMS FOR USAGE IN SITUATION MANAGEMENT Oleksiy E. Kovalenko, Taras O. Kovalenko IMMSP NASU, Kyiv, Ukraine
FA-19	DESIGN THINKING AS A BREAKTHROUGH TECHNOLOGY TO CREATE HUMAN-CENTERED DIGITAL SERVICES Elena Vasileva Financial University under the Russian Federation Government, Moscow, Russia
FA-20	MUTICRITERIA BALANCE LAYOUT PROBLEM OF 3D-OBJECTS Igor Grebennik¹, Tatiana Romanova², Anna Kovalenko¹, Inna Urniaieva¹, Sergey Shekhovtsov¹ ¹ Kharkiv National University of Radioelectronics, Kharkiv, Ukraine ² Institute for Mechanical Engineering Problems of the NAS of Ukraine, Kharkiv, Ukraine
FA-21	TRAIN ARRANGEMENT IN SCHEDULING FOR RAIL-RAIL TRANSSHIPMENT YARD Igor Grebennik¹, Remy Dupas², Oleksandr Lytvynenko¹, Inna Urniaieva¹ ¹ Kharkiv National University of Radioelectronics, Kharkiv, Ukraine ² Univ. Bordeaux, CNRS, IMS, UMR 5218, Talence, France
FA-22	PACKING SPHERES INTO A LARGER SPHERE WITH THE JUMP ALGORITHM Yuriy Stoyan, Georgiy Yaskov Institute for Mechanical Engineering Problems of the NAS of Ukraine, Kharkiv, Ukraine
FA-23	THE OPTIMISATION PROBLEM OF PACKING ELLIPSOIDS IN A CONVEX CONTAINER Nikolay Gil, Alexandr Pankratov, Tatiana Romanova, Olga Khlud, Vladimir Patsuk Institute for Mechanical Engineering Problems of the NAS of Ukraine, Kharkiv, Ukraine
FA-24	OPTIMIZATION OF THE 3D-PRINTING PROCESS IN SLS TECHNOLOGIES OF ADDITIVE PRODUCTION A. Chugay, A. Pankratov, T. Romanova, Yu. Stoian Institute for Mechanical Engineering Problems of the NAS of Ukraine, Kharkiv, Ukraine
FA-25	MATHEMATICAL MODEL OF FINDING THE POINT VALUES OF DECISION MAKER PREFERENCES Liudmyla Kolesnyk¹, Oleksiy Kolesnyk², Sergey Vivdenko¹ ¹ Kharkiv National University of Radioelectronics, Kharkiv, Ukraine ² Institute of Automated Systems, PJSC, Kharkiv, Ukraine

FA-26	<p style="text-align: center;">GIS BASED ICT APPLICATION FOR DISASTER RISK REDUCTION THROUGH COMMUNITY PARTICIPATION IN EMERGENCY RESPONSE (CASE STUDY: BANGLADESH)</p> <p style="text-align: center;">Engr. Md. Waji Ullah¹ and Motaleb Hossain Sarker²</p> <p style="text-align: center;">¹ Executive Director, CEGIS, ² Director, Ecology Division, CEGIS Centre for Environment and Geographic Information Services (CEGIS) Dhaka, Bangladesh</p>
FA-27	<p style="text-align: center;">PLANNING FUTURE FINANCIAL PERFORMANCE OF SMALL AND MEDIUM ENTERPRISES THROUGH ECONOMETRIC MODELING</p> <p style="text-align: center;">Lica Erhan Academy of Economic Studies of Moldova</p>