



**UNIVERSITY OF NATIONAL AND WORLD ECONOMY**

*The Spirit Makes The Power*

**4<sup>TH</sup> INTERNATIONAL CONFERENCE ON APPLICATION OF  
INFORMATION AND COMMUNICATION TECHNOLOGY AND STATISTICS  
IN ECONOMY AND EDUCATION  
(ICAICTSEE – 2014)**

**October 24 – 25<sup>th</sup>, 2014**

**University of National and World Economy  
Sofia, Bulgaria**

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# **ICAICTSEE-2014**

## **CONFERENCE PROGRAM**

### **October 24<sup>th</sup>, 2014**

**09:00 – 10:00 – Registration with Early Coffee & Tea (Big Conference Hall)**

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

**12:00 – 12:45 – Coffee Break**

**12:45 – 15:00 – Sessions (according to the schedule)**

**15:00 – 15:15 – Coffee Break**

**15:15 – 18:00 – Sessions (according to the schedule)**

**18:30 – Gala Dinner**

### **October 25<sup>th</sup>, 2014**

**09:00 – 11:30 – Sessions (according to the schedule)**

**11:30 – 12:00 – Coffee Break**

**12:00 – Conference Closing**

**OCTOBER 24<sup>TH</sup>, 2014**

**10:00 – 12:00**

# **Conference Official Opening** **(Big Conference Hall)**

## **WELCOMING THE ICAICTSEE-2014 PARTICIPANTS**

### **KEYNOTE SPEECH 1 (30 MIN)**

**TAIWAN HI-TECH ALLIANCE, LINKING YOU TO A WORLD OF PROFITS**

*Litien CHEN, Director of Taiwan Trade Center, Sofia, Bulgaria*

### **KEYNOTE SPEECH 2 (20 MIN)**

**SIMPLIFY EVERYTHING, DO ANYTHING**

*Dimitar Tsvetkov, SAP Solution Consultant, SAP Bulgaria*

### **KEYNOTE SPEECH 3 (40 MIN)**

**ARDC METHODOLOGIES FOR KNOWLEDGE ACCUMULATION**

*Vassil Angelov and Nickolay Todorovsky, Musala Soft, Bulgaria*

# **OCTOBER 24<sup>TH</sup>, 2014**

**SESSION I** - 12:45 – 15:00 - **BIG CONFERENCE HALL**

SESSION CHAIR: ASSOC. PROF. DR. ROSEN KIRILOV

<b>PAPER</b>	<b>TITLE</b>
F35	<b>SOCIAL ASPECTS OF SHADOW INFORMATION ECONOMICS</b> <b>Sergei Ohrimenco, Grigori Borta</b> Academy of Economic Studies of Moldova
BG-022	<b>APPLICATION OF SOCIAL CUSTOMER RELATIONSHIP MANAGEMENT SYSTEMS IN BUSINESS</b> <b>Violeta Kraeva, Petia Emilova</b> D. Tsenov Academy of Economics, Svishtov, Bulgaria
BG-023	<b>DISTRIBUTED VERSION CONTROL SYSTEMS: CONCEPTS, MODELS AND PERSPECTIVES</b> <b>Veselin Popov</b> D.A.Tsenov Academy of Economics, Svishtov, Bulgaria
BG-035	<b>THEMATIC CONTENT CHANGE IN LOGISTICS</b> <b>Julian Vasilev</b> Varna University of Economics, Bulgaria
BG-036	<b>SOME OPPORTUNITIES OF CMS OPENCART TO REALIZATION OF E-SHOP</b> <b>Dimiter Dimitrov, Svetlana Vasileva</b> Konstantin Preslavsky University of Shumen, College - Dobrich Dobrich, Bulgaria
BG-039	<b>APPLICATION OF MODERN INFORMATION TECHNOLOGIES IN THE PRACTICE OF BUSINESS ANALYSIS</b> <b>Rositsa Ivanova</b> University of World and National Economy, Sofia, Bulgaria
BG-045	<b>ANALYSIS OF MIGRATION – INTERACTION OF HUMAN POPULATIONS</b> <b>Elena V. Nikolova<sup>1</sup>, Ivan P. Jordanov<sup>2</sup>, Nikolay K. Vitanov<sup>1</sup></b> <sup>1</sup> Institute of Mechanics – BAS, Sofia, Bulgaria <sup>2</sup> Dept. of Mathematics - UNWE, Sofia, Bulgaria
BG-046	<b>OPTIMIZATION OF THE SHAPE OF THE CAR BODY WITH FEM ANALYSIS</b> <b>Petko Nedyalkov<sup>1</sup>, Miroslava J. Ivanova<sup>2</sup>, Ivan Ivanov<sup>2</sup></b> <sup>1</sup> Technical University of Sofia, Mechanical Engineering Faculty, Sofia, Bulgaria <sup>2</sup> UNWE, Faculty of Applied Informatics and Statistics, Department of Mathematics, Sofia, Bulgaria
BG-048	<b>ISOMORPHISM BETWEEN ECONOMIC MODELS AND MODELS OF NATURAL ENVIRONMENT</b> <b>Kostadin Sheyretski, Meglena Lazarova</b> University of World and National Economy, Sofia, Bulgaria

BG-054	<p><b>IT APPLICATION IN THE FIELD OF THE FINANCIAL BUSINESS ANALYSIS OF THE ENTERPRISE</b></p> <p><b>Marko Timchev</b>  Department of Accountancy and Analysis,  University of World and National Economy, Sofia, Bulgaria</p>
BG-055	<p><b>Innovative E-System for Strategic Analysis of New Technology Ventures</b></p> <p><b>Sia Tsoleva, Petko Ruskov</b>  Sofia University "St. Kliment Ohridski", Bulgaria</p>
F14	<p><b>ABOUT THE TEACHING AN ACCOUNTING AND THE AUDIT BY USING THE INFORMATION TECHNOLOGIES</b></p> <p><b>Tea Munjishvili</b>  Tbilisi, Georgia</p>
F17	<p><b>SPECIAL ASPECTS OF ENTERPRISE RESOURCE PLANNING SOLUTIONS IN UKRAINE</b></p> <p><b>Vasyl Grygorkiv, Andrii Verstiak, Mariia Grygorkiv, Svyatoslav Ishchenko</b>  Chernivtsi National University, Ukraine</p>
BG-001	<p><b>INFORMATION SYSTEMS FOR ASPECTS OF THE FINANCIAL ANALYSIS OF THE REAL ESTATE COMPANIES</b></p> <p><b>Marin Galabov</b>  Department of Real Estate Property,  University of World and National Economy, Sofia, Bulgaria</p>

**SESSION II - 12:45 – 15:00 - SMALL CONFERENCE HALL**

SESSION CHAIR: DR. PLAMEN MILEV

<b>PAPER</b>	<b>TITLE</b>
BG-009	<p><b>SOFTWARE APPROACH OF COMPOSITION OF ALLOYS BY APPROXIMATION WITH NEURAL MODELS AND GENETIC OPTIMIZATION ALGORITHM</b></p> <p><b>Marin Ivanov<sup>1</sup>, Nikolay Tonchev<sup>2</sup></b> <sup>1</sup>New Bulgarian University of Sofia, Sofia, Bulgaria <sup>2</sup>“Todor Kableshkov” University of Transport, Sofia, Bulgaria</p>
BG-010	<p><b>METALLURGICAL COMPUTER DESIGN: APPROACHES AND APPLICATIONS</b></p> <p><b>Nikolay Tonchev</b> Todor Kableshkov” University of Transport, Sofia, Bulgaria</p>
BG-011	<p><b>INTELLIGENT MANAGEMENT OF THE COMPANY'S VALUE</b></p> <p><b>Yuliyana Velkova<sup>1</sup>, Georgi Kirov<sup>2</sup>, Milena Todorova<sup>1</sup></b> <sup>1</sup>International Business School, Botevgrad, Bulgaria, <sup>2</sup> Institute of Systems Engineering and Robotics, BAS, Bulgaria</p>
BG-012	<p><b>COMPARATIVE STUDY OF NETWORK-CENTRIC APPROACH FOR MANAGEMENT OF COMPLEX SYSTEMS</b></p> <p><b>Georgi Kirov, Boyan Lazarov,</b> Institute of Systems Engineering and Robotics, BAS, Bulgaria</p>
BG-016	<p><b>RATING SYSTEMS AND THEIR APPLICATION IN BANK RISK MANAGEMENT</b></p> <p><b>Silvia Trifonova</b> Department of Finance, UNWE, Sofia, Bulgaria</p>
BG-031	<p><b>TEACHING SELF-SERVICE BI IN A MASTER PROGRAM OF BUSINESS ADMINISTRATION</b></p> <p><b>Diana Tisheva</b> Faculty of Economics and Business Administration Sofia University “St. Kliment Ohridski”, Bulgaria</p>
BG-033	<p><b>SYSTEM FOR INTERBANK PAYMENTS - THE EFFECTIVENESS OF PUBLIC VERSUS PRIVATE INVESTMENT</b></p> <p><b>Maya Tsoklinova</b> University of Forestry, Sofia, Bulgaria</p>
BG-041	<p><b>TEACHING INFORMATION SYSTEMS FOR BACHELOR PROGRAMS IN COMPUTER SCIENCE</b></p> <p><b>Juliana Peneva, Stanislav Ivanov</b> Dept. of Informatics, New Bulgarian University, Sofia, Bulgaria</p>

BG-049	<p align="center"><b>NEW FEATURES AND BENEFITS OF BULGARIAN PAYROLL SOFTWARE</b></p> <p align="center"><b>Borislav Boyanov</b>  Department of Accountancy and Analysis, Department of Information Technology and Communications  University of World and National Economy, Sofia, Bulgaria</p>
BG-005	<p align="center"><b>OPTIMAL FINANCIAL ALLOCATION OF STARTING SMALL FACTORY RESOURCES:  PREFERENCES BASED APPROACH</b></p> <p align="center"><b>Yuri Pavlov, Valentina Terzieva, Petia Kademova-Katzarova</b>  Institute of Information and Communication Technologies,  Bulgarian Academy of Sciences, Sofia, Bulgaria</p>
BG-006	<p align="center"><b>INFORMATION TECHNOLOGY – METHODS AND TOOLS IN ENERGY SAVING CALCULATION  FOR BUILDING RENOVATION AND INDUSTRY</b></p> <p align="center"><b>Hristo Dinkov, Nanko Bozukov, Marko Dimitrov</b></p>
BG-019	<p align="center"><b>CONSTRUCTION OF UNIFIED DATA TRACK FOR HISTORICAL SIMULATIONS OF INVESTMENT  PORTFOLIOS</b></p> <p align="center"><b>Angel Marchev, Jr., Angel Marchev, Sr.</b>  UNWE, Sofia, Bulgaria</p>
BG-034	<p align="center"><b>INFORMATION APPROACH TO COMPUTER BASED PIECE WISE PRESSURE RESPONSE OF  ELECTRIC SPHYGMOMANOMETER</b></p> <p align="center"><b>L.H.Lahtchev</b>  Institute of Systems Engineering and Robotics at the Bulgarian Academy of Sciences, Bulgaria</p>

**SESSION III - 15:15 – 18:00 - BIG CONFERENCE HALL**

SESSION CHAIR: ASSOC. PROF. DR. VANIA LAZAROVA

PAPER	TITLE
BG-015	<p style="text-align: center;"><b>MAIN PRINCIPLES OF ANALYSING AND MANAGING BIG DATA</b></p> <p style="text-align: center;"><b>K. Stefanova, D. Kabakchieva</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-032	<p style="text-align: center;"><b>VERSION CONTROL IN THE CLOUD</b></p> <p style="text-align: center;"><b>Emil Tzanov, Asen Bozhikov</b> D. A. Tsenov Academy of Economics, Svishtov, Bulgaria</p>
BG-037	<p style="text-align: center;"><b>KNOWLEDGE EXTRACTION BY ANALYZING STUDENT DATA WITH BUSINESS INTELLIGENCE AND DATA MINING TOOLS</b></p> <p style="text-align: center;"><b>Dorina Kabakchieva, Kamelia Stefanova</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-040	<p style="text-align: center;"><b>INTERACTIVE VIRTUAL AVATARS DESIGN &amp; APPLICATION CHALLENGES FOR FUTURE SMART HOMES</b></p> <p style="text-align: center;"><b>Zlatogor Minchev, Luben Boyanov</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-044	<p style="text-align: center;"><b>OPTIMAL FINANCIAL ALLOCATION OF STARTING SMALL FACTORY RESOURCES: PREFERENCES BASED APPROACH</b></p> <p style="text-align: center;"><b>Yuri Pavlov, Valentina Terzieva, Petia Kademova-Katzarova</b> Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, Sofia, Bulgaria</p>
BG-051	<p style="text-align: center;"><b>ALGORITHM FOR QUICK NUMBERING OF LARGE VOLUMES OF DATA</b></p> <p style="text-align: center;"><b>Krassimira Ivanova</b> University of World and National Economy, Sofia, Bulgaria</p>
BG-052	<p style="text-align: center;"><b>COMPONENTS OF THE CLOUD-BASED INFORMATION SYSTEMS</b></p> <p style="text-align: center;"><b>Ivan St. Ivanov, Vanya Lazarova</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>



BG-013	<p align="center"><b>THE “BEST PRACTICES IN ERP SYSTEMS” AND THEIR REFLECTION IN THE CURRICULUM FOR STUDENTS STUDYING ERP SYSTEMS IN BULGARIAN UNIVERSITIES</b></p> <p align="center"><b>Natalia Futekova</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-014	<p align="center"><b>PROBLEMS AND ADVANTAGES FOR UNIVERSITIES TO INTRODUCE BI SYSTEMS IN STUDENTS’ CURRICULUM</b></p> <p align="center"><b>Natalia Futekova, Aleksandrina Streharska</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-021	<p align="center"><b>PREFERENCES AND PRESCRIPTIVE UTILITY PRESENTATION: A STOCHASTIC APPROXIMATION APPROACH</b></p> <p align="center"><b>Yuri P. Pavlov</b> Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, Sofia, Bulgaria</p>
BG-030	<p align="center"><b>PROBLEMS WITH THE RELIABILITY OF INFORMATION ON THE INTERNET MEDIA ENVIRONMENT</b></p> <p align="center"><b>Anelia Popova</b> University of National and World Economy, Sofia, Bulgaria</p>
BG-050	<p align="center"><b>TEACHING UNDERGRADUATE STUDENTS TO MANAGE A SERVICE PRODUCTION PROCESS WITH SCENARIOS</b></p> <p align="center"><b>Vanya Slantcheva-Baneva</b> MT&amp;M College, Sofia, Bulgaria</p>
BG-047	<p align="center"><b>WAREHOUSE DESIGN IN NATURAL GAS SECTOR’S ENTERPRISE IN BULGARIA</b></p> <p align="center"><b>Monika Tzaneva, Ivan Andonov</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-002	<p align="center"><b>GIS TECHNOLOGIES AND ECONOMIC ASSESSMENT OF DISASTER IMPACTS</b></p> <p align="center"><b>Georgi Penchev</b> University of World and National Economy, Sofia, Bulgaria</p>
BG-043	<p align="center"><b>SPONTANEOUS PROTOCOL – KEY INTERFACE OF EDUCATION “TECHNOLOGY”</b></p> <p align="center"><b>Ludmil Duridanov, Desislava Zareva</b> New Bulgarian University, Sofia, Bulgaria</p>
BG-056	<p align="center"><b>ADVANCES IN REVISION CONTROL SYSTEMS</b></p> <p align="center"><b>Bogomil Traikov, Angelin Lalev</b> D.A.Tsenov Academy of Economics, Svishtov, Bulgaria</p>

**SESSION IV - 15:15 – 18:00 - SMALL CONFERENCE HALL**

SESSION CHAIR: DR. MIHAIL KONCHEV

<b>PAPER</b>	<b>TITLE</b>
BG-003	<p style="text-align: center;"><b>USING INFORMATION FROM EXTENDED EVENTS IN MICROSOFT SQL SERVER FOR IDENTIFYING PROBLEMATIC QUERIES</b></p> <p style="text-align: center;"><b>Mitko Radoev</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-004	<p style="text-align: center;"><b>USING THE DATA COLLECTOR IN MICROSOFT SQL SERVER FOR THE QUERY PERFORMANCE ANALYSIS</b></p> <p style="text-align: center;"><b>Mitko Radoev</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-007	<p style="text-align: center;"><b>DASHBOARD DESIGN FOR DYNAMIC MANAGEMENT OF DATABASE PERFORMANCE</b></p> <p style="text-align: center;"><b>Veska Mihova</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-017	<p style="text-align: center;"><b>ADVANTAGES OF USING A SYSTEM FOR INTELLIGENT TAGGING AND SEARCH IN UNSTRUCTURED DATA</b></p> <p style="text-align: center;"><b>Maria Marzovanova</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-018	<p style="text-align: center;"><b>NEW PRINCIPLES FOR BUILDING TOUCH USER INTERFACE</b></p> <p style="text-align: center;"><b>Maria Marzovanova</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-020	<p style="text-align: center;"><b>DEVELOPMENT OF AN INTEGRATED LEARNING EXPERIENCE USING AN EDUCATIONAL SOCIAL NETWORK AS A SERVICE</b></p> <p style="text-align: center;"><b>Venko Andonov</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-024	<p style="text-align: center;"><b>RELEVANCE OF DATA WAREHOUSES IN MUNICIPALITIES IN BULGARIA</b></p> <p style="text-align: center;"><b>Ina Lyubenova</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>

BG-025	<p align="center"><b>DATA WAREHOUSES AS A FACTOR FOR A PROPER FUNCTIONING OF THE LOCAL ADMINISTRATION</b></p> <p align="center"><b>Ina Lyubenova, Rosen Kirilov</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-026	<p align="center"><b>ELECTRONIC SERVICES AT PUBLIC INSTITUTIONS</b></p> <p align="center"><b>Katia Emilova Kirilova</b> Department of Public Administration, University of National and World Economy, Sofia, Bulgaria</p>
BG-027	<p align="center"><b>METHODOLOGICAL ASPECTS OF DEVELOPMENT OF NEW ELECTRONIC SERVICES AT STATE AND LOCAL ADMINISTRATIONS</b></p> <p align="center"><b>Katia Emilova Kirilova</b> Department of Public Administration University of National and World Economy, Sofia, Bulgaria</p>
BG-028	<p align="center"><b>INFORMATION PROBLEMS AT VERIFICATION OF PUBLIC PROJECTS</b></p> <p align="center"><b>Rosen Ivanov Kirilov</b> Department of Information Technologies and Communications, University of National and World Economy, Sofia, Bulgaria</p>
BG-029	<p align="center"><b>INFORMATION TECHNOLOGIES FOR CAREER DEVELOPMENT OF UNIVERSITY STAFF AT UNWE</b></p> <p align="center"><b>Rosen Ivanov Kirilov</b> Department of Information Technologies and Communications, University of National and World Economy, Sofia, Bulgaria</p>
BG-038	<p align="center"><b>MODEL OF A REAL-TIME APPLICATION BASED ON SIGNALR WORKING WITH BIG MISSIVES OF DATA WHICH IS APPLICABLE IN THE GAMING INDUSTRY</b></p> <p align="center"><b>Iliya Nedyalkov</b> Department of Information Technology and Communications University of World and National Economy, Sofia, Bulgaria</p>
BG-042	<p align="center"><b>ANALYSIS OF THE TRENDS IN THE IMPROVEMENT OF CYBER ATTACKS AND FRAUD INTELLIGENCE ANALYSIS, AS A METHOD FOR PROTECTION</b></p> <p align="center"><b>Mihail Konchev</b> University of World and National Economy, Sofia, Bulgaria</p>
BG-053	<p align="center"><b>UTILIZING THE STUDY OF THE SOCIAL-ECONOMIC FACTORS INFLUENCE ON THE CONTEMPORARY BULGARIAN HUMAN VALUES BY THE USE OF IBM SPSS AMOS SOFTWARE</b></p> <p align="center"><b>Alexander Naidenov</b> Department of Statistics and Econometrics, University of World and National Economy, Sofia, Bulgaria</p>
BG-008	<p align="center"><b>TEACHING THE STATISTICS SUBJECT AT THE ECONOMICS UNIVERSITIES IN BULGARIA</b></p> <p align="center"><b>Andreana Stanislavova Stoykova – Kanalieva</b> Department of Statistics and Econometrics, University of World and National Economy, Sofia, Bulgaria</p>

# **OCTOBER 25<sup>TH</sup>, 2014**

**SESSION 5** - 09:00 – 11:30 - **BIG CONFERENCE HALL**

SESSION CHAIR: PROF. DR. DIMITER VELEV

<b>PAPER</b>	<b>TITLE</b>
F34	<b>CLOUD COMPUTING AND SECURITY OF INDUSTRIAL SYSTEMS</b> <b>Gavar Mamedov, Mustafa Babanli, Zafar Jafarov</b> Azerbaijan Technical University, Baku, Azerbaijan
F25	<b>A LONGITUDINAL STUDY ON PATIENT SAFETY CULTURE OF PHYSICIANS – A CASE OF A REGIONAL HOSPITAL IN TAIWAN</b> <b>Yii-Ching Lee<sup>1,2,3</sup>, Li-Ching Wei<sup>4</sup>, Shao-Jen Weng<sup>5</sup>, Chih-Hsuan Huang<sup>6</sup>, Wan-Lin Hsieh<sup>7</sup>, Liang-Po Hsieh<sup>8</sup>, Hsin-Hung Wu<sup>9</sup></b> <sup>1</sup> School of Health Policy and Management, Chung Shan Medical University, <sup>2</sup> Cheng Ching General Hospital-Chung Kang Branch, <sup>3,8</sup> Department of Medical Quality Management, Cheng Ching General Hospital-Chung Kang Branch, <sup>5,7</sup> Department of Industrial Engineering and Enterprise Information, Tunghai University, <sup>6</sup> Department of Business Administration, Tunghai University, Taichung City, Taiwan <sup>4,9</sup> Department of Business Administration, National Changhua University of Education, Changhua, Taiwan
F26	<b>USING MULTIVARIATE ANALYSIS OF VARIANCE TO EVALUATE PATIENT SAFETY CULTURE – A CASE OF A REGIONAL HOSPITAL IN TAIWAN</b> <b>Yii-Ching Lee<sup>1,2,3</sup>, Xian-Yin Liao<sup>4</sup>, Shao-Jen Weng<sup>5</sup>, Chih-Hsuan Huang<sup>6</sup>, Wan-Lin Hsieh<sup>7</sup>, Liang-Po Hsieh<sup>8</sup>, Hsin-Hung Wu<sup>9</sup></b> <sup>1</sup> School of Health Policy and Management, Chung Shan Medical University, <sup>2</sup> Human Resource Management, Cheng Ching General Hospital-Chung Kang Branch, <sup>3,8</sup> Department of Medical Quality Management, Cheng Ching General Hospital-Chung Kang Branch, <sup>5,7</sup> Department of Industrial Engineering and Enterprise Information, Tunghai University, <sup>6</sup> Department of Business Administration, Tunghai University, Taichung City, Taiwan <sup>4,9</sup> Department of Business Administration, National Changhua University of Education, Changhua, Taiwan
F1	<b>STD IMPLEMENTATION IN AUTOMATED LEARNING SYSTEMS THROUGH DIALOG MODELING</b> <b>Yurii Furtat</b> Institute of Simulation Problems in Power Engineering, National Academy of Sciences, Kiev, Ukraine
F2	<b>RE-ENGINEERING OF SUPPLY CHAIN PROCESS: A LITERATURE REVIEW</b> <b>Atour Taghipour</b> University of Le Havre, France
F3	<b>WHAT'S UP WITH WHATS APP? CONNECTING CLUBBERS, CLASSMATES &amp; COLLEAGUES.</b> <b>Saraswathy Thurairaj, Swagata Sinha Roy</b> Universiti Tunku Abdul Rahman, Faculty of Creative Industries, Petaling Jaya, Selangor, Malaysia

F4	<p align="center"><b>PROPERTIES COMPARISON BETWEEN RELATIONAL AND NOSQL DATABASES</b></p> <p align="center">Blagoj Ristevski, Violeta Manevska Faculty of Information and Communication Technologies, St. Kl. Ohridski University – Bitola, Republic of Macedonia</p>
F5	<p align="center"><b>DATA MINING AS A TOOL FOR TEACHING LESSONS ORGANIZATION</b></p> <p align="center"><b>Vesna Mufa<sup>1</sup>, Violeta Manevska<sup>2</sup>, Blagoj Ristevski<sup>3</sup></b> Faculty of Information and Communication Technologies – Bitola St Kliment Ohridski University – Bitola, Republic of Macedonia</p>
F6	<p align="center"><b>APPLICATION OF QUALITY TOOLS AND METHODS IN FOOD PROCESSING INDUSTRY</b></p> <p align="center"><b>Pedja Milosavljevic<sup>1</sup>, Ivana Mladenovic-Ranisavljevic<sup>2</sup>, Dragan Pavlovic<sup>1</sup>, Milena Todorovic<sup>1</sup></b> <sup>1</sup>University of Nis, Faculty of Mechanical Engineering, Nis, Serbia <sup>2</sup>University of Nis, Faculty of Technology, Leskovac, Serbia</p>
F7	<p align="center"><b>BANKS BANKRUPTCY PROBABILITY FORECASTING ON THE BASES OF SURVIVAL MODELS</b></p> <p align="center"><b>Olena Sergienko, Nadiya Morozova</b> Kharkiv Institute of Banking of the University of Banking of the NBU, Kharkiv, Ukraine</p>
F8	<p align="center"><b>DEVELOPMENT OF ALGORITHMS CHAIN-FRACTIONAL APPROXIMATION OF TRANSFER FUNCTION</b></p> <p align="center"><b>A.F. Verlan, M.V. Sagatov, M.M. Kadirov, Sh.M. Ravilov</b> Tashkent State Technology University, Tashkent, Uzbekistan</p>
F9	<p align="center"><b>APPLICATION OF THE INFORMATION WORKS MATURITY MODEL FOR THE MANAGEMENT OF CORPORATE INFORMATION RESOURCES</b></p> <p align="center"><b>Sergii Kavun<sup>1</sup>, Kostyantyn Sibilev<sup>2</sup></b> <sup>1</sup>Kharkiv Institute of Banking of University of Banking of the National Bank of Ukraine <sup>2</sup>Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine</p>
F10	<p align="center"><b>RANDOM AND EXHAUSTIVE GENERATION OF COMBINATORIAL SETS WITH SPECIAL PROPERTIES</b></p> <p align="center"><b>Igor Grebennik, Oleksandr Lytvynenko</b> Kharkiv National University of Radio Electronics, Kharkiv, Ukraine</p>
F11	<p align="center"><b>METHODS OF FORMATION OF A SECURITY POLICY IN ACCESS DIFFERENTIATION PROCESSES</b></p> <p align="center"><b>Anatolij Fedorovich Verlan<sup>1</sup>, Salim Karimovich Ganiev<sup>2</sup>, Durdona Yakubdjanovna Irgasheva<sup>2</sup>, Aybek Turapbayevich Imamaliev<sup>2</sup></b> <sup>1</sup>Pukhov Institute for Modelling in Energy Engineering, NASU, Ukraine <sup>2</sup>Tashkent University of Information Technologies, TUIT, Tashkent, Uzbekistan</p>
F12	<p align="center"><b>THE USE OF MULTIMEDIA COMPONENTS IN MODERN TECHNOLOGY OF MOBILE LEARNING</b></p> <p align="center"><b>Yevhen Hrabovskyi</b> Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine</p>
F13	<p align="center"><b>MINIMIZING IN FACE RECOGNITION ERRORS AND PREPROCESSING TIME</b></p> <p align="center"><b>Madjit M. Karimov, Komil A. Tashev, Shahboz Z. Islomov, Zarif Khudoykulov</b> Tashkent University of Information Technologies, Uzbekistan.</p>

F15	<p style="text-align: center;"><b>CONFIGURE FIREWALLS TO IMPLEMENT SPECIAL FILTERING MODES</b></p> <p style="text-align: center;"><b>Madjit Karimov, Sherzod Gulomov, Bakhtiyor Babamukhamedov</b> Tashkent, Uzbekistan</p>
F16	<p style="text-align: center;"><b>MODELS OF NETWORK PROCESSES FOR DESCRIBING OPERATION OF NETWORK PROTECTION TOOLS</b></p> <p style="text-align: center;"><b>Madjit Karimov, Abdukhalil Ganiev, Sherzod Gulomov</b> Tashkent, Uzbekistan</p>

**SESSION 6 - 09:00 – 11:30 - SMALL CONFERENCE HALL**

SESSION CHAIR: PROF. DR. EMIL DENCHEV

<b>PAPER</b>	<b>TITLE</b>
F18	<p align="center"><b>STATISTICAL ANALYSIS OF CRITICAL INFRASTRUCTURE PROTECTION</b></p> <p align="center"><b>Sergii Kavun<sup>1</sup>, Vladimir Golubev<sup>2</sup>, Olexandr Trydid<sup>1</sup></b></p> <p align="center"><sup>1</sup>Kharkiv Institute of Banking of the University of Banking of the National Bank of Ukraine, Department of Information Technologies, Kharkiv, Ukraine</p> <p align="center"><sup>2</sup> Candidate of Legal Sciences, Director of Cybercrime Prevention Department, "Cyber Safety Unit", "Noosphere Ventures" Corporation, Ukraine</p>
F19	<p align="center"><b>BANKS BANKRUPTCY PROBABILITY FORECASTING ON THE BASES OF SURVIVAL MODELS</b></p> <p align="center"><b>Olena Sergienko</b></p> <p align="center">Kharkiv Institute of Banking of the University of Banking of the NBU, Kharkiv, Ukraine</p>
F20	<p align="center"><b>THE ECONOMIC ESSENCE OF THE FINANCIAL SECURITY DEFINITION OF AN ENTERPRISE</b></p> <p align="center"><b>Iryna Bylomistna, Oleksii Bylomistnuy, Alina Kovalchuk</b></p> <p align="center">Kharkiv Institute of Banking UB NBU, Kharkiv, Ukraine</p>
F21	<p align="center"><b>PRACTICAL APPLICATION OF INDICATORS OF SOCIAL RESPONSIBILITY AND EFFECTIVENESS OF ACTIVITY OF THE ENTERPRISES</b></p> <p align="center"><b>Ganna Zhosan</b></p> <p align="center">Kherson National Technical University, Kherson, Ukraine</p>
F22	<p align="center"><b>BRAND POSITIONING THROUGH MARKETING ENTERPRISE RESOURCES</b></p> <p align="center"><b>Olena Shvets</b></p> <p align="center">Kherson National Technical University, Kherson, Ukraine</p>
F23	<p align="center"><b>UP-TO-DATE GLOBAL STOCK MARKETS TRENDS</b></p> <p align="center"><b>Azarenkova Galina, Shkodina Iryna</b></p> <p align="center">Kharkiv Institute of Banking UB NBU, Kharkiv, Ukraine</p>
F24	<p align="center"><b>OPTIMIZATION OF BANK INVESTMENT LENDING INNOVATION ACTIVITY IN UKRAINE ON THE BASIS OF THE POSITIVE EXPERIENCE OF THE EUROPEAN UNION COUNTRIES</b></p> <p align="center"><b>Snizhana Pashova, Inna Vyadrova</b></p> <p align="center">Kharkiv Institute of Banking of the University of Banking of the National Bank of Ukraine, Kharkiv, Ukraine</p>
F27	<p align="center"><b>APPROXIMATION OF PLANAR AND SPATIAL EXPERIMENTAL CURVES BY SPLINES THAT ARE DEFINED PARAMETRICALLY</b></p> <p align="center"><b>Vitaliy Vishnevskiy, Tatyana Romanenko, Vladimir Kalmykov</b></p> <p align="center">Institute of Mathematical Machines and Systems Kiev, Ukraine</p>
F28	<p align="center"><b>KNOWLEDGE MODELS FOR ORGANIZATIONAL MAINTENANCE OF SITUATION CENTERS</b></p> <p align="center"><b>Oleksiy E. Kovalenko</b></p> <p align="center">IMMSP NASU, Kyiv, Ukraine</p>

F29	<p><b>GRID-based SYSTEM FOR STORAGE AND PROCESSING THE Big Data OF DIGITAL ECG</b></p> <p><b>Vitaliy Vishnevsky, Liliia Kizub</b> Institute of Mathematical Machines and Systems of NASU, Kyiv, Ukraine</p>
F30	<p><b>SITUATION CENTER AS A TOOL FOR THE SITUATIONAL MANAGEMENT</b></p> <p><b>Oleg Malyshev</b> Institute of Mathematical Machines and Systems Problems of NAS of Ukraine, Kyiv, Ukraine</p>
F31	<p><b>METHODOLOGICAL APPROACHES OF ASSESSMENT AND STATISTICAL ANALYSIS OF THE ENERGY SECURITY OF UKRAINE</b></p> <p><b>Oleksandr Diachuk, Roman Podolets</b> Institute for Economics and Forecasting Ukrainian Academy of Science, Kyiv, Ukraine</p>
F32	<p><b>COMPARISON of SEVERAL MATLAB ADAPTIVE FILTER METHODS for HIGH-NOISES CANCELLING in OIL COMPLEXES' CONTROL TELEMETRY SYSTEMS</b></p> <p><b>O. Ustun<sup>1</sup>, M. Yilmaz<sup>2</sup>, P. Ali Zada<sup>3</sup>, R. N. Tuncay<sup>3</sup></b>  <sup>1</sup>Electrical Engineering Dept., Istanbul Technical University, Maslak, Istanbul, Turkey  <sup>2</sup>Electrical and Computer Eng. Dept., University of Illinois at Urbana-Champaign, IL, USA  <sup>3</sup>OKAN University, Akfirat Campus, Istanbul, Turkey</p>
F33	<p><b>OPTIMIZATION OF BANK INVESTMENT LENDING INNOVATION ACTIVITY IN UKRAINE ON THE BASIS OF THE POSITIVE EXPERIENCE OF THE EUROPEAN UNION COUNTRIES</b></p> <p><b>Snizhana Pashova, Inna Vyadrova</b> Kharkiv Institute of Banking of the University of Banking of the National Bank of Ukraine, Kharkiv, Ukraine</p>
F36	<p><b>Building and Exploring Web-based Semantics and Ontology</b></p> <p><b>K. Musumbu</b> LaBRI (UMR 5800 du CNRS), France</p>
F37	<p><b>Tourist Behaviors in Online Booking: Empirical Evidence from Hotel Industry in Sri Lanka</b></p> <p><b>Thilini Chathurika Gamage<sup>1</sup>, Fazeela Jameel Ahsan<sup>2</sup></b>  <sup>1</sup>Department of Marketing Management, Faculty of Management Studies, Sabaragamuwa University of Sri Lanka, Sri Lanka  <sup>2</sup>Department of Marketing Management, Faculty of Management and Finance, University of Colombo, Sri Lanka</p>
F38	<p><b>Internet User's Attitude towards an Online Advertising on Hotel Booking, and its Impact on Purchase Intention</b></p> <p><b>Mr. A.M.G.S.PRIYANKARA</b> Director - Serendivus International (Pvt) Ltd, Sri Lanka</p>