



UNIVERSITY OF NATIONAL AND WORLD ECONOMY

The Spirit Makes The Power

**3RD INTERNATIONAL CONFERENCE ON APPLICATION OF
INFORMATION AND COMMUNICATION TECHNOLOGY AND STATISTICS
IN ECONOMY AND EDUCATION
(ICAICTSEE – 2013)**

December 6 – 7th, 2013

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

UNDER THE AUSPICES OF:



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ICAICTSEE-2013

CONFERENCE PROGRAM

December 6th, 2013

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

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

12:00 – 12:30 - Coffee Break

12:30 – 15:00 – Sessions (according to the schedule)

15:00 – 15:30 – Coffee Break

15:30 – 18:00 – Sessions (according to the schedule)

18:15 – Gala Dinner

December 7th, 2013

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

11:30 – 12:00 – Coffee Break

12:00 – Conference Closing

DECEMBER 6TH, 2013

SESSION I - 12:30 – 15:00 - **BIG CONFERENCE HALL**

SESSION CHAIR: ASSOC. PROF. DR. VANIA LAZAROVA

| PAPER | TITLE |
|--------------|--|
| s1-01 | CLASSICAL WEB-BASED CLIENT/SERVER SYSTEMS AND THE ACID PRINCIPLES OF THE TRANSACTIONAL APPROACH <i>Vanya Lazarova</i> Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria |
| s1-02 | INFORMAL ECONOMICS OF INFORMATION THREATS <i>Serghei Ohrimenco, Grigori Borta</i> Laboratory of Information Security, Academy of Economic Studies of Moldova |
| s1-03 | SWOT ANALYSIS OF CLOUD COMPUTING <i>Emil Denchev</i> Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria |
| s1-04 | CLOUD INFORMATION TECHNOLOGIES – SMART BUSINESS ANALYSIS SOLUTIONS <i>Rositsa Ivanova</i> Dept. of Accounting and Analysis University of National and World Economy, Sofia, Bulgaria |
| s1-05 | CLOUD COMPUTING VERIFICATION OF HYPOTHESIS VIA THE COMPLEX: STATISTIC ESTIMATIONS – DISCRETE DISTRIBUTIONS <i>L.H.Lahtchev</i> Institute of Systems Engineering and Robotics Bulgarian Academy of Sciences |
| s1-06 | COMBINING VIRTUALIZATION TECHNOLOGIES IN SOA-APPLICATIONS <i>Michail Radev, Yanka Alexandrova</i> University of Economics - Varna |
| s1-07 | THE WAYS OF COMBINING THE DESIGN PATTERNS <i>Marya Armyanova</i> Dept. of Informatica UE-Varna |
| s1-08 | SMART HOMES CYBERTHREATS IDENTIFICATION BASED ON INTERACTIVE TRAINING <i>Zlatogor Minchev, Luben Boyanov</i> Institute of Information and Communication Technologies, Bulgarian Academy of Sciences |

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| s1-09 | <p>ACADEMIC USE OF OPEN DIGITAL ARCHIVES</p> <p><i>Juliana Peneva, Stanislav Ivanov</i></p> <p>Dept. of Informatics New Bulgarian University</p> |
| s1-10 | <p>DECISION CONTROL APPLICATION IN COMPLEX SYSTEMS: AN INOVATIVE DECISION-MAKING SUPPORT STRATEGY</p> <p><i>Rumen Andreev, Yuri Pavlov</i></p> <p>Institute of Information and Communication Technologies, Bulgarian Academy of Sciences</p> |
| s1-11 | <p>MODELLING AND PREDICTION OF THE ELECTRICITY CONSUMPTION</p> <p><i>Andrey Bachvarov¹, Petko Ruskov², Kaloyan Haralampiev²</i></p> <p>¹Balkans Investment Consulting Agency Ltd. ²Sofia University</p> |
| s1-12 | <p>COMPARISON OF COMMERCIAL CFD SOFTWARE PACKAGES</p> <p><i>Dragan Pavlovic, Milena Todorovic, Milos Jovanovic, Pedja Milosavljevic</i></p> <p>University of Niš, Faculty of Mechanical Engineering, Niš, Serbia</p> |
| s1-13 | <p>INTELLIGENT SYSTEMS FOR CONTROL AND MONITORING OF HEATING DEVICES IN INDIVIDUAL BUILDINGS</p> <p><i>Milena Todorović, Dragoljub Živković, Pedja Milosavljević, Dragan Pavlović</i></p> <p>University of Niš, Faculty of Mechanical Engineering, Niš, Serbia</p> |
| s1-14 | <p>NUOFFICE MUNICH – A ROLE MODEL FOR SUSTAINABLE BUILDINGS</p> <p><i>Milena Todorović, Dragan Pavlović, Dragoljub Živković, Pedja Milosavljević</i></p> <p>University of Niš, Faculty of Mechanical Engineering, Niš, Serbia</p> |
| s1-15 | <p>INVERSE CALCULATIONS IN PREVENT CRISES PHENOMENON OF SOCIO-ECONOMIC SYSTEMS</p> <p><i>I.V. Borshchuk, B.E. Odintsov., V.D. Shkvir</i></p> <p>National University Lviv Polytechnic, Ukraine</p> |

SESSION II - 12:30 – 15:00 - **SMALL CONFERENCE HALL**

SESSION CHAIR: ASSOC. PROF. DR. ROSEN KIRILOV

| PAPER | TITLE |
|-------|--|
| s2-01 | INFORMATION TECHNOLOGIES AND STUDENT'S PRACTICES <i>Rosen Ivanov Kirilov</i> Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria |
| s2-02 | PROBLEMS WITH ELECTRONIC MANAGEMENT OF PUBLIC PROJECTS <i>Rosen Ivanov Kirilov</i> Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria |
| s2-03 | TECHNOLOGICAL FEATURES AND CURRENT STATE OF PROJECT "STUDENT PRACTICES" AT UNWE <i>Plamen Hristov Milev</i> Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria |
| s2-04 | METHOD OF STORING DYNAMIC DATA IN A RELATIONAL DATABASE ON SYSTEM FOR SCIENTIFIC RESEARCH AT UNWE <i>Plamen Hristov Milev</i> Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria |
| s2-05 | MILESTONES AND CHALLENGES IN PROTECTION OF ELECTRONIC VOTING SYSTEMS <i>Angelin Lalev</i> D.A.Tsenov Academy of Economics, Svishtov, Bulgaria |
| s2-06 | MOBILE PAYMENTS: THREATS AND SECURITY RECOMMENDATIONS <i>Veselin Popov</i> D. A. Tsenov Academy of economics, Svishtov, Bulgaria |
| s2-07 | SOME APPROACHES TO THE APPLICATION OF IMITATION MODELING IN EDUCATING STUDENTS <i>Svetlana Vasileva, Alina Kulchiar</i> Konstantin Preslavsky University of Shumen, College – Dobrich, Dobrich, Bulgaria |
| s2-08 | THE CLASSICAL EDUCATION FROM THE PERSPECTIVE OF ICT <i>Valentina Terzieva, Petia Kademova-Katzarova, Rumen Andreev</i> Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, Sofia, Bulgaria |

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| s2-09 | <p>CYBER SECURITY RISK – IMPORTANT BUSINESS CONTINUITY PLANNING ISSUE FOR BUSINESS ORGANIZATIONS</p> <p><i>Asen Bozhikov</i></p> <p>Dept. of Business Informatics Tsenov Academy of Economics, Svishtov, Bulgaria</p> |
| s2-10 | <p>ELECTRONIC VERIFICATION OF PUBLIC PROJECTS</p> <p><i>Katia Emilova Kirilova</i></p> <p>Dept. of Public Administration University of National and World Economy, Sofia, Bulgaria</p> |
| s2-11 | <p>ROLE OF PRACTICAL TRAINING IN PUBLIC ADMINISTRATION TO INCREASE STUDENT’S KNOWLEDGE AND COMPETENCIES</p> <p><i>Katia Emilova Kirilova</i></p> <p>Dept. of Public Administration University of National and World Economy, Sofia, Bulgaria</p> |
| s2-12 | <p>THE PRELIMINARY STUDY OF STATISTICAL THINKING IN ECONOMIC RESEARCH</p> <p><i>Shi Yizhe</i></p> <p>ShenYang University of Chemical Technology, China</p> |
| s2-13 | <p>E-LEARNING APPLICATIONS IN THE FIELDS OF SOCIAL WORK PROFESSION - A COMPARISON STUDY BETWEEN SOCIAL WORK STUDENTS AND TUTORS</p> <p><i>Ahmed Farouk Mohammed</i></p> <p>S-W Educational field Department - S-W Faculty - Fayoum University, Egypt</p> |
| s2-14 | <p>E-DEMOCRACY PERSPECTIVES IN THE RURAL REGIONS: LITHUANIAN CASE STUDY</p> <p><i>Rimantas Dapkus</i></p> <p>Kaunas University of Technology, Lithuania</p> |
| s2-15 | <p>FORECAST OF FINANCIAL CONDITION BASED ON ITS OWN SAMPLE</p> <p><i>Lewandowski Vladislav</i></p> <p>Comrat State University, Moldova</p> |

SESSION III - 12:30 – 15:00 - FACULTY CONFERENCE HALL

SESSION CHAIR: ASSOC. PROF. DR. ALEXANDRINA MURDZEVA

| PAPER | TITLE |
|-------|---|
| s3-01 | <p>INFORMATION ARCHITECTURE DESIGN OF A BUSINESS INFORMATION SYSTEM FOR PERFORMANCE MANAGEMENT OF THE BUSINESS APPLICATIONS</p> <p><i>Alexandrina Murdjeva, Veska Mihova</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-02 | <p>LATEST TRENDS IN BUSINESS INTELLIGENCE SYSTEM DEVELOPMENT</p> <p><i>Dorina Kabakchieva, Kamelia Stefanova, Stanimira Yordanova</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-03 | <p>ENHANCING BUSINESS INTELLIGENCE WITH SENTIMENT ANALYSIS</p> <p><i>Stanimira Yordanova, Dorina Kabakchieva and Kamelia Stefanova</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-04 | <p>ADVANTAGES OF USING A SYSTEM FOR INTELLIGENT TAGGING AND SEARCH IN UNSTRUCTURED DATA</p> <p><i>Maria Marzovanova</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-05 | <p>FORMAL METHODS FOR CONFLICT DETECTION DURING MULTI-DIMENSIONAL DATA MART INTEGRATION</p> <p><i>Geno Stefanov</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-06 | <p>CREATING MODERN WEB APPLICATIONS BASED ON ASP.NET WEB FORMS AND ASP.NET MVC</p> <p><i>Iliya Nedyalkov</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-07 | <p>ANALYSIS OF THE SYSTEMS FOR PROCESSING DOCUMENTS IN MUNICIPALITIES OF BULGARIA</p> <p><i>Ina Lyubenova</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |

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| s3-08 | <p>EVALUATION OF APPLICABILITY OF THE BIOMETRIC TECHNOLOGY IN THE INTERNET</p> <p><i>Mihail Konchev</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-09 | <p>A PRACTICAL APPROACH TO TESTING EXECUTION TIMES OF QUERIES IN MICROSOFT SQL SERVER</p> <p><i>Mitko Radoev</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-10 | <p>COMMON ARCHITECTURE DESIGN OF A BUSINESS INFORMATION SYSTEM FOR PERFORMANCE MANAGEMENT OF THE BUSINESS APPLICATIONS</p> <p><i>Veska Mihova</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-11 | <p>EFFICIENCY AND VALUE-ADD OF THE BUILDING MANAGEMENT SYSTEMS (BMS)</p> <p><i>Alexander Ognyanov Tanev</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s3-12 | <p>OBJECT-ORIENTED ARCHITECTURE FOR SIMULATION OF COMPLEX INTERDEPENDENT SYSTEMS BASED ON HLA STANDARD</p> <p><i>Georgi Kirov, Valentin Stoyanov</i></p> <p>Institute of Systems Engineering and Robotics Bulgarian Academy of Sciences</p> |
| s3-13 | <p>SOFT COMPUTING MODEL FOR ASSESSMENT OF THE FUNCTIONAL EFFECTIVENESS OF THE ENTERPRISE</p> <p><i>Yuliyana Velkova¹, Georgi Kirov²</i></p> <p>¹International Business School, Botevgrad, Bulgaria ²Institute of Systems Engineering and Robotics, Bulgarian Academy of Sciences</p> |
| s3-14 | <p>SOCIAL NETWORK ANALYSIS AS A TOOL FOR E-GOVERNMENT MATURITY ASSESSMENT</p> <p><i>Mimoza Bogdanoska-Jovanovska, Violeta Manevska</i></p> <p>Faculty of Administration and Information Systems Management University St Kliment Ohridski Bitola, Republic of Macedonia</p> |
| s3-15 | <p>IDENTIFICATION OF CLUSTERS FROM DATA SETS</p> <p><i>Vesna Mufa, Violeta Manevska</i></p> <p>Faculty of Administration and Information Systems Management University St Kliment Ohridski Bitola, Republic of Macedonia</p> |

SESSION IV - 15:30 – 18:00 - BIG CONFERENCE HALL

SESSION CHAIR: DR. MIHAIL KONCHEV

| PAPER | TITLE |
|-------|--|
| s4-01 | <p>SIGNIFICANCE OF BRANDING FOR INCREASING TOURIST DESTINATION ATTRACTIVENESS</p> <p><i>Zyma Alexander¹, Lola Yulia¹, Kavun Sergii²</i></p> <p>¹ Dept. of Tourism, Kharkiv National University of Economics, Kharkiv, Ukraine ² Dept. of Information Technologies, Kharkiv Institute of Banking of the University of Banking of the National Bank of Ukraine, Kharkiv, Ukraine</p> |
| s4-02 | <p>THE MODELS OF THE BALANCED REGIONS DEVELOPMENT BASED ON FISCAL POLICY</p> <p><i>Olexandr Trydid¹, Lidiya Guryanova², Sergii Kavun³</i></p> <p>¹ Kharkiv Institute of Banking of the University of Banking of the National Bank of Ukraine, Kharkiv, Ukraine ² Dept. of Economic Cybernetics, Kharkiv National University of Economics, Kharkiv, Ukraine ³ Dept. of Information Technologies, Kharkiv Institute of Banking of the University of Banking of the National Bank of Ukraine, Kharkiv, Ukraine</p> |
| s4-03 | <p>ANALYSIS MODELS OF THE INTERREGIONAL SOCIO-ECONOMIC DIFFERENTIATION</p> <p><i>Lidiya Guryanova¹, Tamara Klebanova², Robert Brumnik³</i></p> <p>¹ Dept. of economic cybernetics, Kharkiv National University of Economics, Kharkiv, Ukraine, ² Dept. of economic cybernetics, Kharkiv National University of Economics, Kharkiv, Ukraine, ³ Institute for Corporate Security Studies, Ljubljana, Slovenia</p> |
| s4-04 | <p>ANALYSIS OF THE MONEY TRANSFERS BY MIGRANTS TO THE ECONOMY - FOR AND AGAINST</p> <p><i>Valentina Tolpinska</i></p> <p>Academy of Economic Studies of Moldova</p> |
| s4-05 | <p>MANAGERIAL AN APPROACH TO THE OPTIMIZATION OF THE IT MODEL AN THE BUSINESS ORGANIZATION</p> <p><i>Tsvetana Stoyanova</i></p> <p>Department of Management University of National and World Economy, Sofia, Bulgaria</p> |
| s4-06 | <p>ANALYSIS OF AUTOMATION TOOLS OF INTERNAL AUDIT ACTIVITIES</p> <p><i>Lilia Pavlov</i></p> <p>Academy of Economic Studies of Moldova (ASEM)</p> |
| s4-07 | <p>KEY INNOVATIONS IN THE PAYMENT INFRASTRUCTURES IN BULGARIA</p> <p><i>Silvia Trifonova</i></p> <p>Dept. of Finance University of National and World Economy, Sofia, Bulgaria</p> |

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| s4-09 | <p>NEW SOFTWARE SOLUTIONS FOR THE ORGANIZATION AND MANAGEMENT OF HUMAN RESOURCES IN BULGARIAN ENTERPRISES</p> <p><i>Borislav Boyanov</i></p> <p>Dept. of Accounting and Analysis University of National and World Economy, Sofia, Bulgaria</p> |
| s4-10 | <p>INFORMATION AND COMMUNICATION TECHNOLOGIES – GENERATOR OF ECONOMIC GROWTH FOR BULGARIAN COMPANIES</p> <p><i>Maya Tsoklinova</i></p> |
| s4-11 | <p>THE CHANGE FROM ERP II TO ERP III SYSTEMS</p> <p><i>Julian Vasilev</i></p> <p>Varna University of Economics</p> |
| s4-12 | <p>PROBLEMS OF RESEARCHING THE PHENOMENON OF "E-COMMERCE"</p> <p><i>Violeta Kraeva, Petya Emilova</i></p> <p>D. Tsenov Academy of Economics</p> |
| s4-13 | <p>UNDERSTANDING CUSTOMER SATISFACTION THROUGH A MARKETING SIMULATION</p> <p><i>Vanya Slantcheva-Baneva</i></p> <p>College of Management, Trade and Marketing – Sofia</p> |
| s4-14 | <p>MIXED ECONOMY: QUASI-MARKET SEGMENTS</p> <p><i>Ivailo D. Beev</i></p> <p>Dept. of Economics University of National and World Economy, Sofia, Bulgaria</p> |
| s4-15 | <p>MODEL FOR STRATEGY OF TECHNOLOGY NEW VENTURES ON LOCAL MARKET</p> <p><i>Sia Tsoleva</i></p> <p>Sofia University "St. Kliment Ohridski", Republic of Bulgaria</p> |

SESSION V - 15:30 – 18:00 - SMALL CONFERENCE HALL

SESSION CHAIR: DR. KOSTADIN SHEYRETSKI

| PAPER | TITLE |
|-------|--|
| s5-01 | <p>APPLICATION OF TIME SERIES ANALYSIS OF COMPETING FOR A LIMITED RESOURCE ECONOMIC SYSTEMS</p> <p><i>Miroslava Ivanova¹, Ivan Jordanov², Nikolay Vitanov³</i></p> <p>^{1,2} Faculty of Applied Informatics and Statistics, Dept. of Mathematics, UNWE, Sofia, Bulgaria ³ Institute of Mechanics, Bulgarian Academy of Sciences, Sofia, Bulgaria</p> |
| s5-02 | <p>USING SPSS FOR PROCESS QUALITY CONTROL – A CRITICAL REVIEW</p> <p><i>Alexander Naidenov</i></p> <p>Dept. of Statistics and Econometrics University of National and World Economy, Sofia, Bulgaria</p> |
| s5-03 | <p>SAMPLE PATH ANALYSIS OF MX/GI/1/K QUEUE WITH THRESHOLDS ON QUEUE LENGTH</p> <p><i>Mitko Dimitrov</i></p> <p>Dept. of Mathematics University of National and World Economy, Sofia, Bulgaria</p> |
| s5-04 | <p>THE USAGE OF ORTHOGONAL ARRAYS FOR SOFTWARE TESTING</p> <p><i>Petya Valcheva</i></p> <p>Dept. of Mathematics University of National and World Economy, Sofia, Bulgaria</p> |
| s5-05 | <p>MATHEMATICAL MODELING OF THE MIGRATION OF HUMAN POPULATIONS</p> <p><i>Elena V. Nikolova¹, Ivan P. Jordanov², Nikolay K. Vitanov¹</i></p> <p>¹ Institute of Mechanics, Bulgarian Academy of Sciences, Sofia, Bulgaria ² Dept. of Mathematics, University of National and World Economy, Sofia, Bulgaria</p> |
| s5-06 | <p>PREDICTABILITY OF DYNAMICAL SYSTEMS</p> <p><i>Kostadin Sheyretski</i></p> <p>Dept. of Mathematics, University of National and World Economy, Sofia, Bulgaria</p> |
| s5-07 | <p>TIME SERIES ANALYSIS OF SUCCESSFUL ECONOMICS REGULATION POLITICS</p> <p><i>Nikolay Vitanov¹, Ivan Jordanov², Ivan Ivanov²</i></p> <p>¹Institute of Mechanics, Bulgarian Academy of Sciences, Sofia, Bulgaria ² Dept. of Mathematics, University of National and World Economy, Sofia, Bulgaria</p> |
| s5-08 | <p>CONSTRUCTION OF INTEGRAL KERNELS VOLTERRA SERIES BASED ON A PARAMETRIC FAMILY OF TEST SIGNALS</p> <p><i>Vitaliy Ivanyuk, Vadym Ponedilok</i></p> <p>Kamyanets-Podilsky Ivan Ohienko National University, Ukraine</p> |

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| s5-09 | <p>USING OF REVERSIBLE STRUCTURAL MODELS FOR MODELING OBJECTS WITH DISTRIBUTED PARAMETERS</p> <p><i>Volodymyr Fedorchuk, Alexander Mahovych</i></p> <p>Kamyanets-Podilsky Ivan Ohienko National University, Ukraine</p> |
| s5-10 | <p>METHODS FOR CREATING MATHEMATICAL MODELS OF DYNAMIK LINKS WITH DISTRIBUTED PARAMETERS</p> <p><i>M.M. Karimov, Sh. M. Gulyamov, M.M. Kadirov, S. M. Sagatova</i></p> <p>Tashkent State Technology University, Tashkent, Uzbekistan</p> |
| s5-11 | <p>RETRIAL QUEUEING SYSTEM $M GI 1$ RESEARCHING BY MEANS OF THE SECOND-ORDER SSYMPOTIC ANALYSIS METHOD UNDER A HEAVY LOAD CONDITION</p> <p><i>Ekaterina Fedorova, Anatoly Nazarov</i></p> <p>Tomsk State University, Russian Federation</p> |
| s5-12 | <p>CALCULATION OF THE PROBABILITY THAT A GAUSSIAN VECTOR FALLS IN THE HYPERELLIPSOID WITH THE UNIFORM DENSITY</p> <p><i>Alexander Moiseev, Anatoly Nazarov</i></p> <p>Tomsk State University, Russian Federation</p> |
| s5-13 | <p>EVALUATION OF INTERMEDIARY FUNCTION</p> <p><i>Tsvetelina Yorgova</i></p> <p>Bulgarian Academy of Sciences, Sofia, Bulgaria</p> |
| s5-14 | <p>ANALYTICAL REPRESENTATION OF GRAPHS BY MEANS OF PARAMETRICALLY DEFINED SPLINES</p> <p><i>Tatyana Romanenko, Vitaliy Vishnevskiy, Vladimir Kalmykov</i></p> <p>Institute of Mathematical Machines and Systems, Kiev, Ukraine</p> |

SESSION VI - 15:30 – 18:00 - FACULTY CONFERENCE HALL

SESSION CHAIR: ASSOC. PROF. DR. MONICA TZANEVA

| PAPER | TITLE |
|-------|--|
| s6-01 | COLLABORATION IMPORTANCE IN AGILE SOFTWARE DEVELOPMENT <i>Veselin Georgiev</i> Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria |
| s6-02 | INFORMATION SECURITY RISK – ANALYSIS AND APPROACHES <i>Iskren Tairov</i> D. A. Tsenov Academy of Economics, Svishtov, Bulgaria |
| s6-03 | DECISION RULES IN AGENT BASED MODELING <i>Georgi Penchev</i> Dept. of National and Regional Security University of National and World Economy, Sofia, Bulgaria |
| s6-04 | APPLICATION OF HEURISTIC METHODS FOR THE ASSESSMENT AND CLASSIFICATION OF THREATS TO INFORMATION SECURITY <i>Nedko Tagarev</i> Dept. of National and Regional Security University of National and World Economy, Sofia, Bulgaria |
| s6-05 | A DUAL-LAYER DATA MODEL FOR A SCALABLE EDUCATIONAL SOCIAL NETWORK AT A UNIVERSITY <i>Venko Andonov</i> Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria |
| s6-06 | TRANSITION FROM A GENERIC TO A SPECIALIZED IMPLEMENTATION OF AN EDUCATIONAL SOCIAL NETWORK <i>Venko Andonov</i> Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria |
| s6-07 | CONDITIONS FOR IMPLEMENTING BUSINESS PROCESS MANAGEMENT SOFTWARE IN TERMS OF SYSTEM INTEGRATION – A UNIVERSITY VIEW <i>Ivan I. Belev</i> |
| s6-08 | IT TENDENCIES IN BANKING SYSTEMS SECURITY <i>Lili Emiliyanova Kitova</i> |
| s6-09 | METHODS FOR BUSINESS INTELLIGENCE (BI) IMPLEMENTATION <i>Ivan Georgiev Andonov</i> |

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| s6-10 | <p>COMPUTER-ASSISTED COURSES</p> <p><i>Zahari Goranov</i></p> <p>Dept. of National and Regional Security University of National and World Economy, Sofia, Bulgaria</p> |
| s6-11 | <p>IMPROVEMENT OF INFORMATION REQUIREMENTS CONTAINED IN THE SECURITIES PROSPECTUS</p> <p><i>Petar Angelov</i></p> <p>Dept. of Financial Control University of National and World Economy, Sofia, Bulgaria</p> |
| s6-12 | <p>EVOLUTION OF THE EUROPEAN GRID INFRASTRUCTURE FROM GRID TO CLOUD</p> <p><i>Vladimir Dimitrov</i></p> <p>Faculty of Mathematics and Informatics, Sofia University "St. Kliment Ohridski", Sofia, Bulgaria</p> |
| s6-13 | <p>FORMALIZATION OF WS-BPEL BUSINESS PROCESS IN CSP</p> <p><i>Vladimir Dimitrov</i></p> <p>Faculty of Mathematics and Informatics, Sofia University "St. Kliment Ohridski", Sofia, Bulgaria</p> |
| s6-14 | <p>THE ARCHITECTURE OF AGENT-ORIENTED SITUATION MANAGEMENT SYSTEM</p> <p><i>Oleksiy E. Kovalenko</i></p> <p>Institute of Mathematical Machines and Systems National Academy of Science of Ukraine</p> |
| s6-15 | <p>IMPACT OF BUSINESS PROBLEM CHARACTERISTICS ON THE ARCHITECTURE AND SPECIFICATIONS OF INTEGRATION FRAMEWORK</p> <p><i>Monika Tzaneva, Smilen Kouzmanov</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |

DECEMBER 7TH, 2013

SESSION 7 - 09:00 – 11:30 - **BIG CONFERENCE HALL**

SESSION CHAIR: PROF. DR. DIMITER VELEV

| PAPER | TITLE |
|-------|--|
| s7-01 | <p>AUTOMATED VERIFICATION OF MACHINE LEARNING-INDUCED KNOWLEDGE USING DOCUMENT REPOSITORIES</p> <p><i>Milan Zorman^{1,2}, Sandi Pohorec¹, Bojan Butolen¹, Bojan Zlatanic¹, Dejan Dinevski³, Peter Kokol¹</i></p> <p>¹ University of Maribor, Faculty of Electrical Engineering and Computer Science, Maribor, Slovenia ² Centre for Interdisciplinary and Multidisciplinary Research and Studies at the University of Maribor, Slovenia ³ University of Maribor, Faculty of Medicine, Maribor, Slovenia</p> |
| s7-02 | <p>IMPACT OF ONLINE SOCIAL NETWORKS ON SOCIAL BEHAVIOUR OF ELDERLY PEOPLE</p> <p><i>Helena Blažun¹, Milan Zorman², Peter Kokoč, Janez Vošner², Samo Bobek³</i></p> <p>¹ University of Maribor, Center for international cooperation, Maribor, Slovenia ² University of Maribor, Faculty of Electrical Engineering and Computer Science, Maribor, Slovenia ³ University of Maribor, Faculty of Economics and Business, Maribor, Slovenia</p> |
| s7-03 | <p>ANALYZING THE TREND OF DECISION TREES EMPLOYMENT IN HEALTHCARE USING BIBLIOMETRICS</p> <p><i>Peter Kokol, Sandi Pohorec, Bojan Žlahtič, Vili Podgorelec, Milan Zorman</i></p> <p>Faculty of Electrical Engineering and Computer Science, University of Maribor, Slovenia</p> |
| s7-04 | <p>SEMANTICS WEB AND ONTOLOGY LEARNING</p> <p><i>Kaninda Musumbu,</i></p> <p>LaBRI - Université Bordeaux , France</p> |
| s7-05 | <p>APPLYING OF MODERN INFORMATION AND COMMUNICATION TECHNOLOGY IN EDUCATION</p> <p><i>Mamedov H., Babanli M., Jafarov Z.</i></p> <p>Azerbaijan Technical University, Baku, Azerbaijan</p> |
| s7-06 | <p>USING IMPORTANCE-PERFORMANCE ANALYSIS AND QUALITY FUNCTION DEPLOYMENT TO IMPROVE MEDICAL SERVICE QUALITY – A CASE OF PSYCHIATRIC PATIENTS IN TAIWAN</p> <p><i>Chiung-yu Yeh¹, Hsin-Hung Wu²</i></p> <p>¹ Lutune Christian Hospital, Changhua Christian Medical Foundation, Changhua, Taiwan ² Department of Business Administration, National Changhua University of Education, Changhua, Taiwan</p> |

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| s7-07 | <p>EVALUATING PATIENT SAFETY CULTURE FROM VIEWPOINTS OF PHYSICIANS AND REGISTERED NURSES – A CASE OF A REGIONAL HOSPITAL IN TAIWAN</p> <p><i>Yii-Ching Lee^{1,2} Chin-Lun Hsu³ Hsin-Hung Wu^{3*} Liang-Po Hsieh² Shao-Jen Weng⁴ Chih-Hsuan Huang⁴</i></p> <p>¹ Graduate Institute of Business Administration, National Chung Cheng University, Chiayi County, Taiwan ² Department of Medical Quality Management, Cheng Ching General Hospital, Taichung, Taiwan ³ Department of Business Administration, National Changhua University of Education, Changhua, Taiwan ⁴ Department of Industrial Engineering and Enterprise Information, Tunghai University, Taichung, Taiwan</p> |
| s7-08 | <p>EFFECT OF A REGIONAL-INDUSTRIAL PROMOTION POLICY THROUGH OPEN INNOVATION</p> <p><i>Tetsuo Noda</i></p> <p>Shimane University, Japan</p> |
| s7-09 | <p>A GENERAL FRAMEWORK TO COORDINATE A DECENTRALIZED SUPPLY NETWORK</p> <p><i>Atour Taghipour</i></p> <p>University of Le Havre, France</p> |
| s7-10 | <p>OPPORTUNITIES FOR BUSINESS INTELLIGENCE IN A CLOUD</p> <p><i>Kamelia Stefanova, Dorina Kabakchieva, Stanimira Yordanova</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s7-11 | <p>PRINCIPLES OF RESOURCE SCHEDULING IN CLOUD COMPUTING</p> <p><i>Dimiter Velev</i></p> <p>Dept. of Information Technology and Communications University of National and World Economy, Sofia, Bulgaria</p> |
| s7-12 | <p>ECONOMIC AND TECHNOLOGICAL CHALLENGES TO SMART CITIES</p> <p><i>Georgi Zabunoff¹, Marin Galabov¹, Plamena Zlateva², Dimiter Velev³</i></p> <p>¹ Dept. of Real Estate, University of National and World Economy, Sofia, Bulgaria ² ISER, Bulgarian Academy of Sciences, Bulgaria ³ Dept. of Information Technology and Communications, University of National and World Economy</p> |

SESSION 8 - 09:00 – 11:30 - SMALL CONFERENCE HALL

SESSION CHAIR: DR. MIHAIL KONCHEV

| PAPER | TITLE |
|-------|---|
| s8-01 | <p>MULTIVARIATE ANALYSIS OF STEEL ALLOYS COMPONENTS AND CHARACTERISTICS USING COPULA APPROACH</p> <p><i>S. Popova¹, P. Koprinkova-Hristova², P. Zlateva¹</i></p> <p>¹Institute of System Engineering and Robotics, Bulgarian Academy of Sciences ²Institute of Information and Communication Technologies, Bulgarian Academy of Sciences</p> |
| s8-02 | <p>CRYPTOGRAPHY BASED ON FINITE AUTOMATA – A BRIEF OVERVIEW</p> <p><i>Blagoj Ristevski, Violeta Manevska</i></p> <p>Faculty of Administration and Information Systems Management University St Kliment Ohridski Bitola, Republic of Macedonia</p> |
| s8-03 | <p>LEARNING MANAGEMENT SYSTEM (LMS) USAGE: ABSORPTIVE CAPACITY PERSPECTIVE</p> <p><i>Saraswathy Thurairaj, Farida Bhanu bt Mohamed Yousoof, Komathi Munusamy</i></p> <p>Faculty of Creative Industries & Faculty of Accountancy & Management, Universiti Tunku Abdul Rahman, Malaysia</p> |
| s8-04 | <p>TESTS CONSTRUCTION AND DIALOG MODELING USING ONTOLOGICAL ENGINEERING</p> <p><i>Anatolii Verlan, Yurii Furtat</i></p> <p>Institute of Sumulation Problems in Power Engineering National Academy of Science of Ukraine, Kiev, Ukraine</p> |
| s8-05 | <p>STUDING OF COMMUNICATION OF SPECIAL CHARACTERISTICS OF SIGNALS ACOUSTIC EMISSION CONTROL OF CONSTRUCTIONS</p> <p><i>M.M. Karimov, M.V. Sagatov, B.A. Hudayarov, R.M. Irmukhamedova</i></p> <p>Tashkent State Technology University, Tashkent, Uzbekistan</p> |
| s8-06 | <p>ABOUT ONE OF THE AUTHENTICATION METHODS</p> <p><i>Madjit Malikovich Karimov, Abduaziz Abdugaffarovich Abdarahmanov, Nurbek Bakhtiyorovich Nasrullaev</i></p> <p>Tashkent State Technology University, Tashkent, Uzbekistan</p> |
| s8-07 | <p>ABOUT OF ONE METHODS SYNTHESIS THE STRUCTURAL PROTECTED COMPUTER NETWORK</p> <p><i>Ganiev Salim Karimovich, Karimov Madjit Malikovich, Durdona Irgasheva Yakudjanovna</i></p> <p>Tashkent State Technology University, Tashkent, Uzbekistan</p> |

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| s8-08 | <p>KALMAN FILTER APPLICATION FOR HIGH-NOISE CANCELATION IN CONTROL TELEMETRY CHANNELS OF OIL ELECTRO SUBMERSION PUMP</p> <p><i>Parviz ALI ZADA</i></p> <p>OKAN University, Turkey</p> |
| s8-09 | <p>THE NEW DEVELOPMENT PROJECT OF INTEGRATED INFORMATION SYSTEM OF MANAGEMENT IN TODOR KABLESHKOV UNIVERSITY OF TRANSPORT</p> <p><i>Dimitar Dimitrov</i></p> <p>Todor Kableshkov University of Transport, Sofia, Bulgaria</p> |
| s8-10 | <p>SIMPLIFIED ON-LINE APPROACH FOR PROPER RETORT HEATING PROFILE DETERMINATION IN THE FOOD CANNING INDUSTRY</p> <p><i>Nanko Bozukov, Hristo Dinkov, Marko Dimitrov, Vasil Shikov</i></p> |
| s8-11 | <p>NUMERICAL METHOD TO DETERMINE THE OPTIMAL COMPOSITION OF THE ALLOYS</p> <p><i>Nikolay Tontchev, Emil Ivanov, Georgi Georgiev</i></p> <p>'Todor Kableshkov' Transport University, Sofia, Bulgaria</p> |
| s8-12 | <p>METHOD OF AUTHENTICATION ON BASED PASSWORD GENERATORS</p> <p><i>Anatoliy Fedorovich Verlan, Karimov Madjit Malikovich, Tashev Komil Akhmatovich, Imomaliev Oybek Turapbaevich</i></p> <p>Tashkent State Technology University, Tashkent, Uzbekistan</p> |
| s8-13 | <p>A MODEL FOR CALCULATION OF CRITICAL LOADS OF HEAVY METALS FOR AQUATIC ECOSYSTEMS</p> <p><i>Sonya Damyanova, Nadka Ignatova</i></p> <p>University of Forestry, Faculty of Ecology and Landscape architecture</p> |