**Monday, September 14**

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| 13:00-13:20 | **Ceremony OPENING For ICEMIS 2020**  **Rector of IITU, doctor of technical Sciences, Professor Raissa Uskenbayeva**  **Director of Information Technology and Communications Center, Jordan University of Science and Technology, Shadi Aljawarneh** | | |
| 13:20-13:50 | **Plenary talk 1:**  **Keynote Speaker:** Cho Young Im, Gachon University, Faculty of Computer Science, Professor  **Research Interests:** artificial intelligence, smart city, big data, ambient intelligence, standardization, service robot  **Topic:** "Artificial Intelligence Campus"  **Chairman:** Yevgeniya Daineko | | |
| 13:50-15.00 | **Section-1: Information systems and Cyber systems**  **Room Chair: Abdul Razaque** | **Section-2: AI and ML**  **Room Chair: Marat Nurtas** | **Section-3: E-learning**  **Room Chair: Timothy McGee** |
| 13:50-15.00 | Performance Analysis of blockchain based systems for industry applications  ***Mansoor Khan, Prof. Dr. Oğuz Bayat and Dr. Uğur Coruh*** | Trends the use of Artificial Intelligence techniques for peer assessment  ***Lorena Bowen Mendoza, Maricela Pinargote Ortega, Jaime Meza Hormaza and Sebastian Ventura Soto*** | Fuzzy-based Active Learning for Predicting Student Academic Performance  ***Maria Tsiakmaki, Georgios Kostopoulos, Sotiris Kotsiantis and Omiros Ragos*** |
| 13:50-15.00 | An Extensive Analysis of the Ad Hoc Network  ***Maaeda M. Rashid, Muthana Isawi and Baban A. Mahmood*** | Lung Cancer Classification and Detection Using Convolutional Neural Networks  ***Deniz Anwer and Serkan Ozbey*** | Examining students’ views on the implementation of the two-way immersion program in the educational process of Kazakhstan  ***Аида Оспанова and Tatyana Shelestova*** |
| 13:50-15.00 | A Framework to Protect Against Phishing Attacks  ***Younis A Younis and Mohamed Musbah*** | Accuracy' Measures of Sentiment Analysis Algorithms for Spanish Corpus generated in Peer Assessment  ***Maricela Pinargote-Ortega, Lorena Bowen Mendoza, Jaime Meza Hormaza and Sebastián Ventura Soto*** | Development of an automated expert system for diagnosing diseases of internal organs  [***Alua Myrzakerimova and Mugulsum Nurmaganbetova***](http://www.iitu.kz/) |
| 13:50-15.00 | Security architectures for sensitive Data in Cloud Computing  ***Tareq Abed Mohammed and Ahmed Burhan*** | Artificial intelligence and its impact on the prediction of economic indicators  ***Kevin Mero Ramírez, Jaime Meza Hormaza and Sebastián Ventura Soto*** | ECG physical signals study and analysis as applied task for physics virtual laboratory work for pupils at secondary schools  ***Akmaral Kuatbayeva, Yevgeniya Daineko, Madina Ipalakova, Gulnar Kuatbayeva, Bakyt Kossynbayev, Ryskhan Satybaldiyeva and Zarina Altayeva*** |
| 13:50-15.00 | Transforming RDF to Property Graph in Hugegraph  ***Haihong E, Penghao Han and Meina Song*** | Auto-abstracting of texts in the Kazakh language  ***Aliya Turganbayeva and Diana Rakhimova*** | COMPUTER MODELING OF NANOSATELLITE TRAJECTORY IN THE POLAR COORDINATE SYSTEM USING MATLAB INTERFACE  ***Bakhyt Alipova and Olga L. Starinova*** |
| 13:50-15.00 | A SYSTEMATIC REVIEW OF TRANSITION FROM IPV4 TO IPV6  ***Gulzinat Ordabayeva, Mohamed Othman, Bibinur Kirgizbayeva, Zhalgasbek Iztaev and Aigulim Bayegizova*** | Development algorithms for the analysis of the spread of coronavirus infection COVID-19 based on analytical software SAS  ***Zhanel Nurdaulet, Kuanysh Shametov, Zarina Syrymbet, Akmaral Kuatbayeva, Azamat Syzdykov, Yerassyl Akhmetov, Makhat Tumenbayev and*** | The experience of using information and communication technologies in IITU JSC and their impact on the educational process  ***Yevgeniya Daineko, Gulnara Zakirova, Madina Ipalakova, Dana Tsoy and Aigerim Seitnur*** |
| 15:00-15.30 | **Plenary talk 2:**  **Keynote Speaker:** ***Prof. Victor Chang, Professor, Teesside University, Middlesbrough, UK***  **Research Interests:** Data Science, IoT  **Topic:** "The Next Generation of AI and Data Science" | | |
| 15:30-16.30 | **Section-1: Information systems and Cyber systems**  **Room Chair: Abdul Razaque** | **Section-2: AI and ML**  **Room Chair: Marat Nurtas** | **Section-3: E-learning**  **Room Chair: Timothy McGee** |
| 15:30-16.30 | Valid and Invalid Bitcoin Transactions  ***Saule Amanzholova, Nurbek Tastan, Amina Yessenalina and Kamila Kalkamanova*** | Machine learning and neural network methodologies of analyzing social media  ***Vladislav Karyukin, Aidana Zhumabekova and Sandugash Yessenzhanova*** | Intercultural communication modeling based on modern information technologies  ***Gulnara Zakirova, Ainur Kaliaskarova and Nurzhigan Utelbayeva*** |
| 15:30-16.30 | Monitoring of promising frequency ranges for 5G network development in Almaty city  ***Aigul Kulakayeva, Valery Tikhvinskiy, Altay Aitmagambetov, Almash Zhaksylyk and Bagdat Kozhakhmetova*** | Automated Question-Answer Medical Model based on Deep Learning Technology  ***Abdelrahman Abdallah, Mahmoud Kasem, Mohamed Hamada and Shaymaa Sdeek*** | E-learning as a factor of quality assurance of professional training of future teachers of Russian language and literature  ***Baiyan Zholdasbekova, Karina Galay, Serik Mizanbekov, Zhadyra Bayanbayeva and Zhanna Dzhalamova*** |
| 15:30-16.30 | Methods for creating Intelligent transportation systems using dynamic microlevel model of the city based on a qualitative correspondence matrix  ***Shamsigul Kobdikova, Rustam Khalilev and Perizat Arimbekova*** | 2-D Finite Element method using “eScript” for acoustic wave propagation  ***Marat Nurtas, Zharasbek Baishemirov, Aizhan Ydyrys and Aizhan Altaibek*** | Geoinformational education and project approach at KSU named after Sh. Ualikhanov  ***Saule Damekova, Nurgul Nurmuhanbetova and Anargul Belgibayeva*** |
| 15:30-16.30 |  | Using of Machine Learning algorithm and Spectral method for simulation of Nonlinear Wave Equation  ***Marat Nurtas, Aizhan Ydyrys and Aizhan Altaibek*** |  |
| 15:30-16.30 |  | Contour analysis of external images  ***Raissa Uskenbayeva and Samat Mukhanov*** |  |

**Tuesday, September 15**

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| 12:00-12:30 | **Plenary talk 3:**  **Keynote Speaker:** ***Masalovich Andrey Igorevich, Moscow, Russia***  **Research Interests:** competitive intelligence, information security, cyber intelligence.  **Topic:** "Internet-intelligence in the digital world"  **Chairman:** Yevgeniya Daineko | | |
| 12:30-13:00 | **Plenary talk 4:**  **Keynote Speaker:** ***Juan A. Lara, UDIMA, Madrid, Spain***  **Research Interests:**  **Topic:** "Educational Data Mining"  **Chairman:** Yevgeniya Daineko | | |
| 13:00-  13:50 | **Section-4: Digitalization and Business Process Modeling**  **Room Chair: Aiman Moldagulova** | **Section-5: Web application and Software Engineering**  **Room Chair: Sabina Rakhmetulayeva** | **Section-6: Digital Society**  **Room Chair: Galym Omarov** |
| 13:00-  13:50 | The structure and composition of the business process model  ***Zhuldyz Kalpeyeva, Aizhan Kassymova, Timur Umarov, Akkyz Mustafina and Nurzhan Mukazhanov*** | A Web Application for Company Reports Management System  ***Hamza Mahfoud Hamer, Osama Ibraheem Ashour and Muhammad Ilyas*** | Assessing Quality Standards in Electronic Gates of Educational Institutions: A Field Study  ***Ebitisam Elberkawi, Marwa Dakhil, Amira Almukhtari and Abdelsalam Maatuk*** |
| 13:00-  13:50 | APPLICATION OF BIG DATA IN LOGISTICS  ***Aiman Moldagulova, Ryskhan Satybaldiyeva and Abu Kuandykov*** | Web Application Based on MVC Laravel Architecture for an Online shop  ***Mohammed Thakir Mahmood Mahmood and Osama Ibraheem Ashour Ashour*** | Problems and perspectives of Digital Silk Road in Central Asia  ***Zhanat Zakiyeva*** |
| 13:00-  13:50 | The construction of the Kazakh language thesauri in automatic word processing system  ***Aigerim Aitim, Ryskhan Satybaldiyeva and Waldemar Wojcik*** | The audit method of enterprise’s Information security  ***Gulzira Mukatay, Gulmira Bekmanova, Assel Omarbekova and Altynbek Sharipbay*** | Digitization of Intangible Cultural Heritage as a method to save and actualize it on the example of Kazakh folk dance  ***Zhanna Ramadanova*** |
| 13:00-  13:50 | Designing business processes based on an integrated approach: process, model and architectural  ***Abu Kuandykov and Raissa Uskenbayeva*** | Validation Framework for Aspectual Requirements Engineering (ValFAR)  ***Sohil Alshareef, Abdelsalam Maatuk, Tawfig Tawill and Mohamed Hagal*** | Standard of the Republic of Kazakhstan «Occupational health and safety management systems» and analysis of traumatism and occupational (job-related) diseases at the enterprises  ***Roza Suleimen-Kyzy Omirbay, Makpal Kabdullaevna Malgazhdarova, Firuza Kaisarbekovna Batesova and Vladlena Stepanovna Shevtsova*** |
| 13:50-14:10 | **Plenary talk: 5**  **Keynote Speaker:** ***Lucio De Paolis, Lecce, Italy***  **Research Interests:** augmented and virtual reality, computer-aided surgery, human-computer interaction.  **Topic:** "Augmented Reality in Medicine and Surgery"  **Chairman:** Yevgeniya Daineko | | |
| 14:10-  14:50 | Towards Digital University: Experience of Kazakhstan  ***Galiya Berdykulova, Madina Ipalakova, Marat Kamysbayev and Yevgeniya Daineko*** | Prioritizing Software Components Risk: Towards a Machine Learning-based Approach  ***Mrwan Benidris, Hany Ammar, Dale Dzielski and Wisam Benamer*** | Psycho-emotional factor of distance learning in COVID-19 pandemic situation in Kazakhstan  ***Sitora Mustafayeva and Akmaral Satova*** |
| 14:10-  14:50 | A review of free resources for processing and analyzing geospatial data  ***Айгуль Мименбаева and Тамара Жукабаева*** | Overview of the method for choosing the most suitable database system according to certain criteria  ***Dias Yertay*** | IT solutions for the oil and gas industry  ***Gulzhan Kosmbayeva, Lyazzatt Tastanova, Raigul Orynbassar, Dinara Sultanova and Medet Zhanabayev*** |
| 14:10-  14:50 | MATHEMATICAL MODELING OF THE HEAT TRANSFER EQUATION IN THE PIPELINE  ***Bolatbek Rysbaiuly and Aigul Satybaldina*** |  | Management Information System of main oil pipeline  ***Sabina Dairbayeva and Alipbay Dairbayev*** |
| 14:10-  14:50 |  |  | Assessment of Qualitative Characteristics of Project Risks  ***Galym Omarov, Yerlan Shildibekov, Aigul Omarova and Aida Tashtamysheva*** |
| 14:50-15:10 | **CLOSURE**  **Vice-rector of Science and International Affairs**  **Yevgeniya Daineko** | | |