



INTERNATIONAL CONFERENCE ON APPLIED INTERNET AND INFORMATION TECHNOLOGIES

International Conference AIIT 2018 – Final Agenda

| 09:00 – 10:00 Registration | | |
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| HALL 1 | HALL 2 | HALL 3 |
| 10:00 – 11:30 Opening Ceremony Keynote Lectures | | |
| 11:30 – 12:00 Coffee Break | | |
| 12:00 – 14:00 Session 1 (oral presentations) | 12:00 – 14:00 Cross4All Project Meeting | 12:00 – 14:00 Panel Discussion The Roles of IT Industry in IT Higher Education |
| 14:00 – 16:00 Lunch | | |
| 16:00 – 18:00 Session 2 (oral presentations) | 16:00 – 18:00 Session 3 (poster presentations) | 16:00 – 18:00 Panel Discussion The Roles of IT Industry in IT Higher Education |
| 18:00 – 20:00 Free time | | |
| 20:00 Gala Dinner at Restaurant KORZO | | |

International Conference AIIT 2018 – Program

| Keynote Lectures (10:30 – 11:30) – HALL 1 | |
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| Ioanna Chouvarda | Connected Health Technologies for the Support of Chronic Patients : Challenges and Opportunities |
| Nikola Luburić, Goran Sladić and Branko Milosavljević | Applicability Issues in Security Requirements Engineering for Agile Development |

| Session 1 (12:00 – 14:00) – HALL 1 | |
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| Ljube Bajraktarov, Nikola Rendevski, Zoran Kotevski, Ilija Hristoski and Ramona Markoska | Design of LoRaWAN Service Infrastructure Solution for D2D Communication over Physical 433 MHz Wireless Link |
| Zeljko Stojanov and Jelena Stojanov | Trends in software maintenance support tasks: A study in a micro software company |
| Zoltan Kazi, Ljubica Kazi, Dragica Radosav, Sunčica Lambić Fenjčev, Olja Salma, Biljana Radulovic and Ivana Berković | Web Application for Art Gallery Management Support |
| Luís Alves, Pedro Rangel Henriques, Vladimir Ivančević, Maksim Lalić, Ivan Luković, Maria João Varanda Pereira and Paula Correia Tavares | A Comparison of Introductory Programming Courses between Portugal and Serbia |

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| Ilija Hristoski, Tome Dimovski, Zoran Kotevski, Ramona Markoska and Nikola Rendevski | Performance Evaluation of Clustered Web Servers Using the Round Robin Scheme |
| Ermira Idrizi, Andrea Kulakov, Sonja Filiposka and Vladimir Trajkovik | Web-based assessment tool for Teachers Digital Competency |
| Goce Gavrilov, Boro Jakimovski, Ivan Chorbev and Vladimir Trajkovik | Cloud-Based Electronic Health Record for Health Data Exchange |
| Sinisa Mihajlovic, Ljubica Kazi and Biljana Radulovic | Development of PHP application for City Archive Library Records |
| Mihailo Đorđević, Milan Pižurica, Vojkan Nikolić, Anja Kostić-Zobenica and Sanja Stanisavljev | Web service protection |
| Gordana Jotanovic, Zeljko Stojanov, Mirko Stojcic, Goran Jausevac and Mladen Kuravica | Software Solution for the Calculation of Critical Load Points for Special Consignments |
| Velibor Premčevski, Branko Markoski, Novak Simić, Nikola Petrović and Sanja Stanisavljev | Chatbots in online business |
| Blagoj Nenovski and Igor Nedelkovski | Defining a feature-rich end-to-end augmented reality platform for spatial exploration |

| Session 2 (16:00 – 18:00) – HALL 1 | |
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| Dejan Petje and Marina Blazhekovikj Toshevski | EXpencer - Application for Management with Costs Analysis |
| Ace Dimitrievski, Eftim Zdravevski, Petre Lameski, Rossitza Goleva, Sasko Koceski and Vladimir Trajkovik | Fog Computing for Personal Health Principles |
| Tihomir Zoranovic, Vanja Erceg and Ivana Berkovic | IoT project in agriculture |
| Marijana Dragicevic and Dragoljub Krneta | Business Intelligence in Power Distribution System |
| Svetlana Lilkova-Markova, Peter Pavlov, Dimitar Mitashhev and Radoslav Todorov | Application of Arduino Measurement Set for Experimental Evaluation of the Static Behavior of Continuous Systems |
| Andrijana Bocevska, Snezana Savoska, Blagoj Ristevski and Natasa Blazheska-Tabakovska | Analysis of Accessibility of the e-Learning Platforms According to the WCAG 2.0 Standard Compliance |
| Snezana Savoska, Dragan Milevski and Andrijana Bocevska | Visualization of Big Digital Data with Zeppelin |
| Katerina Dimeska and Snezana Savoska | Model of software development using RAD methods and standards ISO/IEC 12207 |
| Ljubinka Sandjakoska | Dropout Regularization in Deep Neural Networks Used in Atomic Simulations |
| Zlatko Savoski and Snezana Savoska | E-health, Need, Reality or Mith for R.of Macedonia |

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| Uroš Dinić, Vojkan Nikolić, Branko Markoski, Anja Kostić Zobenica and Velibor Premčevski | Virtualization in e-Government |
| Stefan Krsteski | Development of a component-based, media data processing and classifying system powered by Artificial Intelligence, accessible via Web API |
| Ivona Bogoeska | Model of architecture for cooperation and exchange data between Higher Education Institutions and Public Institutions in Republic of Macedonia through Web services technology |
| Gordana Jotanović, Vladimir Brtka, Zoran Čurguz, Mirko Stojčić and Milan Eremija | Mobile Applications for Recording Road Traffic Noise |
| Nikola Luburić, Goran Sladić and Branko Milosavljević | Applicability Issues in Security Requirements Engineering for Agile Development |
| Dalibor Dobrilovic, Milan Malić, Dušan Malić and Vladimir Šinik | Methodology for Bluetooth Low Energy Performance Analyses Based on Open-source Hardware |
| Marko Vasiljević, Petar Vasiljević, Branko Markoski and Aleksandar Kupusinac | Challenges in Mushroom Classification Using Image Recognition Technology |
| Nikola Protić, Velibor Premceviski and Dragana Šević | Modeling of unmanned aircraft management software |
| Miloš Mijić, Ivana Grujić and Aleksandra Ninković | A Review on Smart Home based on Ambient Intelligence in healthcare |

| Session 3 (16:00 – 18:00) – HALL 2 | |
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| Mihajlo Hasanu and Natasha Blazeska-Tabakovska | Designing Intelligent Tutoring System Based on Bayesian Network |
| Ivan Veselinov, Zoran Kotevski and Nikola Rendevski | Architecture for Multimedia Learning System With Social Networking Features |
| Darko Pajkovski, Nikola Rendevski, Zoran Kotevski, Tome Dimovski and Ilija Hristoski | Classification of Jamming Attacks and Detection and Prevention Techniques in Local Wireless Networks |
| Arijan Asani, Tome Dimovski, Nikola Rendevski and Zoran Kotevski | Security in Cloud-Based Systems |