International Scientific Conference ”ALFATECH – Smart Cities and modern technologies”

15.03.2024.

Alfa BK University, Bulevar marsala Tolbuhina 8, Belgrade

**CONFERENCE PROGRAM**

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| Time | Activity | Moderator |  Location |
| 9:30 - 11:00 | Registration of participants |  | University Hall |
| 11:00 - 11:15 | Opening Ceremony | Jovan VeselinovićMilan GligorijevićBrankica Kovačević | А 1 |
| 11:15 - 11:30 | **Plenary lecture 1**Mimica Milošević; Dušan Milošević; Violeta DimićAPPLICATION OF FUZZY AHP APPROACH FOR DESIGNING MODEL OF SMART CITY DEVELOPMENT | Milan Gligorijević | А 1 |
| 11:30 - 12:30 | Huawei |  | А 1 |
| Informatika |  |
| Telegroup |  |
| 12:30 – 12:45 | **Plenary lecture 2**Petar Čisar; Sanja Maravić ČisarCHALLENGES OF INTERNET OF THINGS | Milan Gligorijević | A 1 |
| 12:45 - 13:30 | Coffee Break & Coctail |  | University Hall |
| 13:30 - 13:45 | **Plenary lecture 3**Zsolt Illési; Erika Illésiné WolnerDIGITAL EVIDENCE READINESS: A STRATEGIC APPROACH FOR LEGAL COMPLIANCE IN ORGANIZATIONS | Milan Gligorijević  | A 1 |
| 13:45 - 14:45 | Machina |  | A 1 |
| Saga |  | A 1 |
| Tesla |  | A 1 |
| 14:45 – 15:00 | **Plenary lecture 4**Mitar Miki TepićSMART CITIES THROUGH THE EYES OF THE YOUNG: PERSPECTIVES AND CHALLENGES | Milan Gligorijević | A1 |
| 15:00 - 15:15 | Coffee Break, applications for the round table |  | University Hall |
| 15:15 - 16:00 | Round table: Local self-government and smart cities | Milan Gligorijevic | A 2 |
| Session 1 | Violete DimićStefan Popović | A 1 |
| 16:00 - 17:00 | Parallel Session 2 | Violeta Dimić | A 1 |
| 16:00 - 17:00 | Parallel Session 3 | Stefan Popović | A 4 |
| 17:00 – 18:30 | Poster Session | Milan Brkljač Stefan Popović | A 4 |

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| Activity | Topic | Presenters |
| Plenary lecture 1 | APPLICATION OF FUZZY AHP APPROACH FOR DESIGNING MODEL OF SMART CITY DEVELOPMENT | Mimica Milošević; Dušan Milošević; Violeta Dimić |
| Plenary lecture 2 | DIGITAL EVIDENCE READINESS: A STRATEGIC APPROACH FOR LEGAL COMPLIANCE IN ORGANIZATIONS | Zsolt Illési; Erika Illésiné Wolner |
| Plenary lecture 3 | SMART CITIES THROUGH THE EYES OF THE YOUNG: PERSPECTIVES AND CHALLENGES | Mitar Miki Tepić  |
| Plenary lecture 4 | CHALLENGES OF INTERNET OF THINGS | Petar Čisar; Sanja Maravić Čisar |
| Session 1 | AN OPTIMAL THRESHOLD ADAPTATION OF ENERGY DETECTOR IN COGNITIVE RADIO FOR SMART CITIES APPLICATIONS | Rade Božović; Goran Keković |
| AN OVERVIEW OF A CONCEPTUAL MODEL OF AGILE MEETINGS PROBLEMS AND PROCESS ISSUES IN SOFTWARE INDUSTRY | Maja Gaborov; Željko Stojanov; Mila Kavali;, Dragana Kovač; Igor Vecštejn; Verica Gluvakov |
| SMART INNOVATIONS AND SMART COMMUNICATIONS IN SMART CITIES | Lidija Madžar; Aleksandra Perović; Jovan Veselinović |
| CHALLENGES IN SMART EDUCATION ENVIRONMENTS: AN INSIGHFUL OVERVIEW | Lidija Paunović; Aleksandar Stokić; Marija Nikolić |
| DESIGN OF ALLPASS-BASED IIR FULLBAND DIFFERENTIATORS USING LINEAR PROGRAMMING | Ivan Krstić; Goran Stančić; Milan Čabarkapa; Đurađ Budimir |
| TRANSFORMATION OF URBAN SPACES OF SMART CITIES THROUGH ADVANCED GRAPHICAL USER INTERFACES (UI) | Luka Alebić; Dejan Viduka; Davor Vrandečić |
| Session 2 | INNOVATION IN THE DIGITAL AGE: NAVIGATING AI CHALLENGES | Zeljko Tekic |
| A MODIFIED VERSION OF GRADIENT DESCENT ALGORITHM AS A SOLUTION OF LOCAL MINIMUM PROBLEM IN ARTIFICIAL NEURAL NETWORK | Goran Keković; Rade Božović; Negovan Stamenković |
| QUALITY MANAGEMENT OF THE CONSTRUCTION OF SMART CITIES, WITH REFERENCE TO THE CONTROL OF THE MATERIALS THAT ARE INSTALLED | Bojana Miličić; Dražen Jovanović; Boško Jovanović |
| APPLICATION OF ARTIFICIAL INTELLIGENCEWITHIN THE „SAFE CITY“ CONCEPT | Vladimir Čabrić; Nikola Gligorijević; Danilo Strugarević |
| WASTE MANAGEMENT IN ORDER TO PROTECT THE ENVIRONMENT IN A SMART CITY - VIEW OF THE ODNESI.RS PLATFORM | Ivana Popović; Stevan Ivanković |
| TIME SERIES MODELS FOR WEATHER FORECASTING IN SMART CITIE | Miloš Todorov; Ninoslava Tihi; Srdjan Popov; Biljana Stamatović |
| Session 3 | SAFETY IN SCHOOLS: THE SIMULATION OF EVACUATION AT THE ELEMENTARY SCHOOL CAR KONSTANTIN IN NIŠ | Radoje Jevtić; Violeta Dimić; Jovan Ničković; Ivana Antić  |
| USE OF MACHINE LEARNING FOR SMART AND CLEAN STEEL | Jelena Ivanović; Vaso Manojlović |
| PPG SIGNAL ANALYSIS FOR BLOOD VESSEL CONDITION ESTIMATION VIA THE MOBILE APPLICATION "ECG FOR EVERYBODY" | Stevan Jokić; Ivan Jokić; Branislav Gerazov; Nenad Gligorić  |
| IPV6 PROTOCOL IN IOT TECHNOLOGIES | Ana Nikolić; Aleksandar Zakić; Milan Gligorijević; Alen Kamiš |
| CITY MARKETING AND SMART CITY SOLUTIONS | Bela Muhi; Jovana Kisin |
| POSSIBILITIES OF APPLYING IOT IN THE MUNICIPALITY OF GRAČANICA | Nebojsa Denić; Kostadinka Stojanović; Jelena Stojanović |
| Poster Session | THE ROLE OF DRONES AND INTELLIGENT REFLECTIVE SURFACES IN BROADBAND TRANSMISSION OVER 5G AND B5G MOBILE NETWORKS IN SMART CITIES | Filip Rađenović; Branislav Rađenović |
| PRIVACY RISKS IN THE SMART CITY CONTEXT: THE VPN CONUNDRUM FROM ENTERPRISE PERSPECTIVE | Nemanja Pantelić; Sreten Gligorić |
| WEAK POINTS OF SMART CITIES | Milica Varšandan; Čaba Varšandan; Draško Vidović; Duško Bogdanić |
| ZERO TRUST SECURITY IN IOT | Aleksandar Zakić; Slaviša Trajković; Marko Zakić; Alen Kamiš  |
| INTRODUCTION OF THE USE OF ARTIFICIAL INTELLIGENCE IN THE PRODUCTION OF CHICKEN MEAT AS A NECESSARY NEED OF THE INDUSTRY SURROUNDING THE SMART CITY | Mario Stojanović; Mladen Gligorijević; Dejan Anđelković |
| IMPROVING AND OPTIMIZING PUBLIC LIBRARY SERVICES USING SMART TECHNOLOGIES | Aleksandar Stokić; Lidija Paunović |
| THE INFLUENCE OF INDUSTRY 4.0 IN PHARMACY AND PHARMA 4.0 CONCEPT | Radoje Jevtić; Jovan Ničković; Dragan Vučković; Momčilo Ranđelović |
| GENETIC ALGORITHMS AND MACHINE LEARNING AS THE BASIS OF ALL IMPLEMENTED SOLUTIONS IN SMART CITIES | Stefan Popović; Sonja Djukić Popović; Dejan Djukić; Milan Gligorijević |
| VETSOL - ENERGY ISLAND IN TRAFFIC | Emil Peić Tukuljac; Zoran Anišić  |
| AI IN SMART CITY | Nina Đuričić; Stefan Mihajlović |
| MULTI-OBJECTIVE MATHEMATICAL OPTIMIZATION IN THE SMART CITY SUPPLY PLANNING PROBLEM | Sonja Djukić Popović |
| THE USE OF BUSINESS INTELLIGENCE IN THE DEVELOPMENT AND MANAGEMENT F SMART CITIES | Miloš Ilić; Vladimir Mikić  |
| NEURAL NETWORK-POWERED INTRUSION DETECTION SYSTEM | Đorđe Karišić; Milan Čabarkapa |
| APPLICATION OF THE RESIDUE NUMBER SYSTEM (RSA) TO IMPROVE THE PERFORMANCE OF THE RSA (RIVEST-SHAMIR-ADLEMAN) ALGORITHM | Milija Pavlović; Negovan Stamenković |
| THE CURRENT HUB OF ARTIFICIAL INTELLIGENCE IN SERBIA | Milica Vujadinović; Aleksandra Stojkov Pavlović |
| INCLUSIVE SMART CITY | Snežana Marjanović Ocokoljić; Vladimir Čabrić; Marija Stojković |
| PARADIGMS OF APPLICATION OF BUSINESS DATA ANALYSIS AND BUSINESS INTELLIGENCE IN PUBLIC ADMINISTRATION AND LOCAL SELF-GOVERNMENT | Kostadinka Stojanović , Nebojsa Denić , Jelena Stojanović |
| TRANSFORMATION OF E-ADMINISTRATION INTO DIGITAL ADMINISTRATION AND SMART CITIES AND VILLAGES | Jelena Stojanović , Nebojsa Denić , Kostadinka Stojanović |
| MODERN TEHNOLOGIES AND THEIR APPLICATION IN “SMART HOUSES”  | Miroslava Mihajlov Carević; Milica Varšandan; Čaba Varšandan |
| SMART PARKING | Jovana Danilov |
| BILATERAL EXPONENTIAL AS SIGMOID IN MULTILAYERED NEURONAL NETWORKS | Dejan Djukic; Stefan Popovic |
| OVERVIEW OF WIRELESS TECHNOLOGIES IN WIRELESS PERSONAL AREA NETWORKS FOR IoT INTEGATION IN SMART CITIES | Ana Bašić; Dragan Rastovac; Dejan Viduka |
| COMPUTER VISION GATEWAY FOR REAL-TIME ON-SITE ANALYTICS IN SMART CITIES AND PERI-URBAN AGRICULTURE | Branko Brkljač; Milan Brkljač |