

YU INFO 2019

25. Naučna i biznis ICT konferencija

ICIST 2019

9th International Conference on Information Society and Technology

PROGRAM

KOPAONIK, 10–13. MART 2019.

Sale:

Sala 1 - Pančić 1, Grand Hotel • Sala 2 - Pančić 2, Grand Hotel

Prihvaćeni radovi se prezentiraju na dva načina i to usmenim izlaganjem u okviru **sesija (S)** i prezentiranjem na lap top računarima u okviru **elektronskih poster sesija (P)**.

U tabeli je prikazan broj i oznaka sesija i postera po programskim oblastima Konferencije, a u daljem tekstu Programa dat je **raspored održavanja sesija** i postera po danima i salama, kao i **spisak svih radova** u okviru sesija i postera.

Programska oblast	Sesija (S)	Poster (P)
Veštačka inteligencija i računarska simulacija (VI) (veštačka inteligencija • računarska simulacija • sistemi za podršku odlučivanju • ekspertni sistemi)	S1	P2
Računarske mreže i telekomunikacije (RT)	S3	
Računarske primene (RP) (proizvodnja • mašinstvo • elektrotehnika • medicina • građevinarstvo...)	S4	P1
Razvoj softvera i alati (SW)	S2	
E-društvo (ED) (e-learning • e-government • e-business • e-health • internet...)	S5	
Vojne primene (VP)		P3
Zaštita i sigurnost podataka (ZIS)	S3	
Svega (<i>Raspored sesija dat je na stranama 2, 3 i od 7 do 12</i>)	5	3
International Conference on Information Society Technology and Management	ICIST	ICIST
<i>Raspored ICIST sesija dat je na stranama 4, 5 i od 13 do 18</i>	Sessions	Posters
Svega	8	2

UPUTSTVO ZA AUTORE: Izlaganje radova u okviru sesija traje 5 do 10 minuta, diskusija do 5 minuta, na raspolaganju su računar i video bim. **U okviru elektronskih poster sesija** na raspolaganju su laptop računari u sali za elektronske poster sesije. Autorima se pruža mogućnost da u najkraćim crtama (3 do 5 minuta) upoznaju prisutne sa sadržajem svog rada, a zatim pored laptop računara, zavisno od interesovanja prisutnih učesnika, da detaljnije prikažu rad. Elektronski poster treba pripremiti u formi PowerPoint prezentacije, sa maksimalno 4 slajda, ili u formi kompletnog rada (u pdf formatu) kakav je dostavljen za Konferenciju. Autori treba da na usb stiku sa sobom ponesu pripremljenu PowerPoint prezentaciju kao i kompletan rad koji su dostavili za Konferenciju.

Programski i Organizacioni odbor Konferencije YU INFO
Predsednik, prof. dr Miodrag Ivković

PROGRAM		
NEDELJA, 10. 03. 2019.		
	<i>Sala Pančić 1, Grand hotel</i>	<i>Sala Pančić 2, Grand hotel</i>
16:00	16:00 Registracija učesnika	
17:00	17:00 Otvaranje konferencija YU INFO & ICIST Nagradni kviz – nagrada GoPro kamera	
17:30	17:30 Keynote session: Jožek Gruškovnjak, <i>Inlucio Zurich:</i> Where Do We Go from Here?	
18:00	18:00 Žarko Milošević, <i>Singidunum, Interchain Foundation:</i> Many Chains, One Ecosystem	
20:30	20:30 Wine Connection Session Sponzor TeleGroup	
PONEDELJAK, 11. 03. 2019.		
	<i>Sala Pančić 1, Grand hotel</i>	<i>Sala Pančić 2, Grand hotel</i>
08:30	08:30 Registracija učesnika	
09:30	9:30 ICIST Special track: Semantic technologies for Big Data	9:30 ICIST Regular track: ICT for Automotive
11:30	11:30 YU Info S1: Veštačka inteligencija i računarska simulacija	11:30 YU Info S2: Razvoj softvera i alati
12:30		12:30 YU Info P1: Računarske primene
13:30		
15:30		15.30
16:00		ICIST Poster session 1
16:30		
17:00	Milena Pavlović - <i>ATOS</i> eState Government 2020 Mario Maletić, <i>Ministarstvo pravde</i> eSud – Prezentacija	16:30 ICIST Special track: Health, aging and well-being – Session 1
17:30	SAGA, Milutin Cvetković, „Smart & Simple“ IoT rešenja – Prezentacija	
18:00	Aleksandrom Borisavljević, Semos Edukacije, Beograd – Prezentacija	
18:30	Marko Marjanović, <i>Digital Architect, Microsoft</i> Veštačka inteligencija, zašto je sada pravi trenutak? – Prezentacija	18:00 ICIST Special track: Health, aging and well-being – Session 2
19:00		
20:15	Panel diskusija: Tech visions which will become reality in next 25 years Šta donosi sledećih 25 godina, koje će tehnologije izmeniti naše poslovanje i naše živote? Panelisti: Miodrag Mirčetić - <i>Asseco SEE</i> , Igor Pavlica - <i>SAGA</i> , Eldar Banjica - <i>Trizma</i> , Aleksandar Baloč - <i>Algotech</i> , Dejan Dramićanin - <i>BITGear</i>	
21:15	YU INFO & ICIST – ATOS Party, Pop Folk večer – svira orkestar Groš, Garden, Grand hotel	

PROGRAM

UTORAK, 12. 03. 2019.

	<i>Sala Pančić 1, Grand hotel</i>	<i>Sala Pančić 2, Grand hotel</i>
08:30	8:30 Registracija učesnika	
09:30	9:30 ICIST Special track: AI-enabled Enterprise Information Systems	9:30 ICIST Regular track: Software engineering
11:30	11:30 YU Info S3: Računarske mreže i telekomunikacije, Zaštita i sigurnost podataka	11:30 YU Info P2: E-društvo – poster
13:30		
15:30		15:30 ICIST Poster session 2
17:00	17:00 Predavanje po pozivu: Slobodan Nedeljković, <i>MUP Srbije</i>	17:00 ICIST Regular track: Information systems – Session 1
17:30	Milan Traživuk, <i>Serbian Bussenes Sistem</i> IBM Flash 9100 - New generation all-flash storage system	
18:00	<i>Telekom Srbija:</i> Biljana Lalović – IoT ekosistem Telekom Srbija Prezentacija	
18:15		18:15 ICIST Regular track: Information systems – Session 2
18:30	<i>Tehnicom Informatika</i> Boris Gabrić – Think Innovative Prezentacija	
19:00		
19:30		
20:15	Panel diskusija: Budućnost IT poslova, kadrovi, edukacija, obrazovanje, Dejan Savić - <i>Atos,</i> Sava Savić - <i>Ministarstvo trgovine i</i> <i>telekomunikacija,</i> Tamara Todorović - <i>CallidusCloud,</i> Damir Baralić - <i>AIR Srbija,</i> Aleksandar Borisavljević - <i>Semos edukacije</i>	
21:30	Pop rok večer, So&So Band – Club A	
SREDA, 13. 03. 2019.		
	<i>Sala Pančić 1, Grand hotel</i>	<i>Sala Pančić 2, Grand hotel</i>
9:00	9:00 YU Info S4: Računarske primene	9:00 YU Info P3: Vojne primene
10:30	10:30 YU Info S5: E-društvo	
11:30	Zatvaranje konferencije	

Programme of the 9th International Conference on Information Society and Technology (ICIST 2019)

PROGRAM		
SUNDAY, 10. 03. 2019		
	<i>Room Pančić 1, Grand Hotel</i>	<i>Room Pančić 2, Grand Hotel</i>
16:00	16:00 Registration	
17:00	17:00 Conference Opening	
17:30	17:30 Keynote session: Jožek Gruškovnjak, Inlucio Zurich: Where Do We Go from Here?	
18:00	18:00 Žarko Milošević, Singidunum, Interchain Foundation: Many Chains, One Ecosystem	
18:30		
20:30	20:30 Wine Connection Session Sponsor TeleGroup	
MONDAY, 11. 03. 2019.		
	<i>Room Pančić 1, Grand Hotel</i>	<i>Room Pančić 2, Grand Hotel</i>
08:30	08:30 Registration	
09:30	9:30 ICIST Special track: Semantic technologies for Big Data	9:30 ICIST Regular track: ICT for Automotive
11:30		
15:30		15:30 ICIST Poster session 1
16:30		16:30 ICIST Special track: Health, aging and well-being – Session 1
18:00		18:00 ICIST Special track: Health, aging and well-being – Session 2
19:00		
20:15		
21:15	YU INFO & ICIST – ATOS Party – Pop Folk Night – Groš – Grand Hotel, Garden	

PROGRAM

TUESDAY, 12. 03. 2019

	<i>Room Pančić 1, Grand Hotel</i>	<i>Room Pančić 2, Grand Hotel</i>
08:30	8:30 Registration	
09:30	9:30 ICIST Special track: AI-enabled Enterprise Information Systems	9:30 ICIST Regular track: Software engineering
11:30		
15:30		15:30 ICIST Poster session 2
17:00		17:00 ICIST Regular track: Information systems – Session 1
18:15		18:15 ICIST Regular track: Information systems – Session 2
19:30		
21:30	ICIST Pop&Rock Party with So&So Band – Club A	
WEDNESDAY, 13. 03. 2019		
	<i>Room Pančić 1, Grand Hotel</i>	<i>Room Pančić 2, Grand Hotel</i>
11:30	Conference closing	

PREDAVANJA PO POZIVU, PLENARNA PREDAVANJA, PREZENTACIJE I DRUŠTVENI PROGRAM

NEDELJA, 10. 03. 2019. *Sala Pančić 1, Grand Hotel*

- 17:00 **Otvaranje konferencija YU INFO & ICIST**
17:30 **Keynote session:** Jožek Gruškovnjak, *Inlucio Zurich*, **Where Do We Go from Here?**
Nagradni kviz – nagrada GoPro kamera
18:00 Žarko Milošević, *Singidunum, Interchain Foundation*: **Many Chains, One Ecosystem**
20:30 **Wine Connection Session, Sponzor TeleGroup**
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PONEDELJAK, 11. 03. 2019. *Sala Pančić 1, Grand Hotel*

- 17:00 **ATOS – Presentacija**
Milena Pavlović – *ATOS, eState Government 2020*
Mario Maletić – *Ministarstvo pravde, eSud*
17:30 **SAGA – Presentacija**
Milutin Cvetković, „Smart & Simple“ IoT rešenja
18:00 **Semos Edukacije, Beograd** – Aleksandar Borisavljević – **Presentacija**
18:30 **Microsoft**
Marko Marjanović, *Digital Architect, Microsoft*
Veštačka inteligencija, zašto je sada pravi trenutak?
20:15 **Panel diskusija: Tech visions which will become reality in next 25 years**
Šta donosi sledećih 25 godina, koje će tehnologije izmeniti naše poslovanje i naše živote?
Panelisti: Miodrag Mirčetić - *Asseco SEE*, Igor Pavlica - *SAGA*, Eldar Banjica - *Trizma*,
Aleksandar Baloč - *Algotech*, Dejan Dramićanin - *BITGear*
21:15 *Garden, Grand Hotel*
Pop Folk večer, Orkestar Groš, YU INFO & ICIST – ATOS Party
-

UTORAK, 12. 03. 2019. *Sala Pančić 1, Grand Hotel*

- 17:00 **Predavanje po pozivu:** Slobodan Nedeljković, **MUP Srbije**
17:30 **SBS – Presentacija:** Milan Traživuk, *Serbian Bussenes Sistem* –
IBM Flash 9100 - New generation all-flash storage system
18:00 **Telekom Srbije – Presentacija**
Biljana Lalović – *IoT ekosistem Telekoma Srbija*
18:30 **Tehnicom Informatika – Presentacija**
Boris Gabrić, **Think innovative**
20:15 **Panel diskusija: Budućnost IT poslova, kadrovi, edukacija, obrazovanje,**
Dejan Savić - *Atos*, Sava Savić - *Ministarstvo telekomunikacija*,
Tamara Todorović - *CallidusCloud*, Damir Baralić - *AIR Srbija*,
Aleksandar Borisavljević - *Semos edukacije*
21:30 *Club A*
Pop Rok večer – So & So Band
-

SREDA, 13. 03. 2019. *Sala Pančić 1, Grand Hotel*

- 11:30 **Zatvaranje konferencije**
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SPONZORI PROGRAMA

**Telekom Srbija, Atos, Asseco, INGRAM, SAGA New Frontiers Group,
TeleGroup, ComTrade, SBS, Algotech, Microsoft,
MDS, Tehnicom Informatika, Semos edukacije, ITeam
Medijski partner: PC Press**

YUINFO 2019 – Pregled svih radova po sesijama

Sesija S1 – Programске oblasti: Veštačka inteligencija i računarska simulacija

11:30-13:30, ponedjeljak, 11. mart 2019. (Sala Pančić 1, Grand hotel)

R.br.	Autori	Naslov rada
1.	Bojan Tomić, Nikola Milikić, Jelena Jovanović, Dragan Đurić, Vladan Devedžić and Zoran Ševarac	PRIMENA GIT I JUNIT ALATA U CILJU PODSTICANJA AKTIVNOG UČENJA JAVA JEZIKA
2.	Sanja Delcev, Jelica Cincovic, Jelena Stancic, Drazen Draskovic and Jelica Protic	PRIMENA ALGORITAMA MAŠINSKOG UČENJA U ANALIZI USPEHA STUDIRANJA KOD STUDENATA SOFTVERSKOG INŽENJERSTVA
3.	Mirjana Maric, Predrag Matković, Pere Tumbas and Jovica Đurković	HYBRID APPROACHES FOR MANAGING PROJECTS OF THE SOFTWARE PRODUCT DEVELOPMENT
4.	Katarina Čukurov, Siniša Nikolić and Mina Medić	PRESENTATION OF KNOWLEDGE ABOUT WINES AND DEVELOPMENT OF WINERIES SUPPORT SYSTEM
5.	Anisja Kijevčanin and Bojan Tomić	OCENJIVANJE TIMSKOG RADA STUDENATA PROGRAMERA KORIŠĆENJEM FAZI PRAVILA
6.	Nenad Petrović	PRIMENA DATA MININGA U PLATFORMI ZA LABORATORIJSKE VEŽBE IZ OBLASTI INFROMATIKE I RAČUNARSTVA
7.	Nikola Zornić, Aleksandar Markovic, Marko Petrović and Sava Čavoški	SIMULACIONI MODEL ZASNOVAN NA AGENTIMA ZA ANALIZU SAOBRAĆAJA U PERIODU JUTARNJE GUŽVE
8.	Zdravko Ivankovic, Dejan Savicevic, Velibor Premcevski, Anja Kostic - Zobenica and Branko Markoski	ADABOOST ALGORITAM U PREPOZNAVANJU IGRAČA NA KOŠARKAŠKIM UTAKMICAMA
9.	Jana Vugdelija and Zoran Rakičević	GENETSKI ALGORITAM ZA REŠAVANJE JOB SHOP PROBLEMA
10.	Žaklina Stojanović, Emilija Manić and Irena Janković	THE DSS FOR AGRICULTURE IN SERBIA – CURRENT STATE AND PERSPECTIVES

Sesija S2 – Programska oblast: Razvoj softvera i alati

11:30-12:30, ponedjeljak, 11. mart 2019. (Sala Pančić 2, Grand hotel)

R.br.	Autori	Naslov rada
1.	Vesna Radonjić Đogatović and Marko Đogatović	TARIFIRANJE IoT SERVISIA U ZAVISNOSTI OD KORISNIČKIH FUNKCIJA DOBITI
2.	Vladimir Šašo, Borivoje Milošević and Srdjan Jovković	IZBOR MODULACIJA I TALASNIH DUŽINA FSO SISTEMA U ODNOSU NA SNR I BER
3.	Aleksandar Đuričić	NETWORK ANALYSIS BASED BOOK RECOMMENDER SYSTEM ON GOODREADS.COM DATA
4.	Nenad Radosavljevic	ANALYSIS OF KEY PERFORMANCE INDICATORS IN MOBILE NETWORKS
5.	Ugljesa Urosevic and Zoran Veljovic	P2P KOMUNIKACIJA U SLUČAJU OTKAZA MREŽNE INFRASTRUKTURE U REALNIM USLOVIMA
6.	Slavimir Stošović, Lazar Pešić, Miloš Kosanović and Dušan Stefanović	PERFORMANSE ALGORITMA ZA POUZDANO PREUZIMANJE FAJLOVA U USLOVIMA PROMENLJIVE INTERNET KONEKCIJE
7.	Nada Petrović	TELEKOM SRBIJA LoRa IoT NETWORK USAGE FOR INFRASTRUCTURE PROTECTION
8.	Nemanja Miljkovic and Slavko Gajin	COMPARATIVE ANALYSIS OF NETFLOW COLLECTING AND ANALYZING SOFTWARE TOOLKITS
9.	Kristina Mijić	GENERALIZOVANI VS. KORISNIČKI SOFTVERI U REVIZIJI FINANSIJSKIH IZVEŠTAJA

Poster sesija P1 – Programska oblast: Računarske primene

12:30-13:30, ponedjeljak, 11. mart 2019. (Sala Pančić 2, Grand hotel)

R.br.	Autori	Naslov rada
1.	Bojana Zlatkovic and Biljana Samardzic	MATLAB/SIMScape MODELLING AND SIMULATION OF THE SECOND ORDER TRANSDUCERS
2.	Dejan Pavlović	PREGLED NEKIH OD SISTEMA ZA DALJINSKO NADGLEĐANJE ŽIVOTINJA I MOGUĆIH PRIMENA U NACIONALNOM PARKU ĐERDAP
3.	Biljana Savic, Vlade Urosevic, Goran Sinikovic and Ivan Milicevic	MULTI-PARAMETER MEASUREMENT SYSTEM FOR ROLLING BEARING FAULT DIAGNOSIS
4.	Jovan Bajčetić, Mladen Trikoš and Ivan Tot	INFORMACIONI SISTEM ZA OBRADU PODATAKA JONOSFERSKOG SONDIRANJA (ISOPJS)
5.	Nenad Petrovic, Milorad Tosic, Valentina Nejkovic and Nenad Milosevic	FORMALIZING DEVICE COORDINATION IN IOT SYSTEMS: THE SCOR CASE STUDY
6.	Dragica Jovanović, Marko Bursać, Zoran Bundalo and Goran Tričković	APPLICATION OF INFORMATION TECHNOLOGIES IN RAILWAY TRAFFIC
7.	Milan Životić, Vlade Urošević and Olga Ristić	RAZVOJ I ODRŽAVANJE SISTEMA DALJINSKOG UPRAVLJANJA VODOSNABDEVANJA PETROVCA NA MLAVI
8.	Dejan Beljic	PROGRESSIVE WEB APPLICATIONS AND MAGENTO

**Sesija S3 – Programske oblasti: Računarske mreže i telekomunikacije,
Zaštita i sigurnost podataka**

11:30-13:30, utorak, 12. mart 2019. (Sala Pančić 1, Grand hotel)

R.br.	Autori	Naslov rada
1.	Uros Radenkovic, Marko Micovic, Filip Hadzic and Zaharije Radivojevic	ALAT ZA TESTIRANJE SISTEMA ZA PREDVIĐANJE SKOKOVA
2.	Ljubisa Jovanovic	DIGITALNI TAHOMETAR VISOKIH PERFORMANSI ZASNOVAN NA MERENJU VREMENSKE PERIODE POMOĆU DVA BROJAČA
3.	Branko Sparavalo and Radomir Radojičić	AUTOMATED SYSTEM FOR THE FORECAST OF INFLOWS ON THE PROFILES OF HPP: „METEOSAR“, EXAMPLE: DRINA RIVER BASIN
4.	Milan Miljković and Goran Matić	MEDJUNARODNA ISKUSTVA U AKREDITACIJI INFORMACIONO-KOMUNIKACIONIH SISTEMA ZA RAD SA TAJNIM PODACIMA
5.	Milorad Muric and Zarko Bogicevic	TORII MALWARE IMPACT ON IOT AND ARM
6.	Petar Ljubić, Bratislav Predić and Miloš Roganović	TEHNIKE LAŽIRANJA REŠENJA BRUTEFORCE NAPADA NA PROCES WI-FI AUTENTIFIKACIJE KOD WPA2 PROTOKOLA
7.	Vladan Borović, Dejan Rančić, Olivera Pronić-Rančić and Goran Mrkaić	SISTEM TEHNIČKE I ELEKTRONSKE ZAŠTITE

Poster sesija P2 – Programska oblast: E-društvo

11:30-13:30, utorak, 12. mart 2019 (Sala Pančić 2, Grand hotel)

R.br.	Autori	Naslov rada
1.	Komlen Lalovic and Tot Ivan	DIGITALNI MARKETING - KOMPLETNA SEO ANALIZA PARAMETARA ZA SEARCH ENGINE
2.	Antonina Lazic, Rina Vukanac and Marija Jovic	UPOTREBA DIGITALNOG MARKETINGA U OKVIRU DRUŠTVENIH MEDIJA U KOMUNIKACIJI LUKSUZNIH TURISTIČKIH BRENDOVA U REPUBLICI SRBIJI
3.	Danilo Lazovic, Jovan Bajcetic and Jordan Atanasijevic	M2M KOMUNIKACIJA I NJIHOVA PRIMENA U EZDRAVLJU
4.	Antonina Lazic, Rina Vukanac and Marija Jovic	USE OF DIGITAL MARKETING AND SOCIAL MEDIA IN COMMUNICATION OF LUXURY TOURISTIC BRANDS IN THE REPUBLIC OF SERBIA
5.	Marija Krstić, Lazar Krstić and Valentina Stanković	THE IMPLEMENTATION OF THE E-LEARNING SYSTEM FOR CIVIL SERVANTS
6.	Dejan Dimitrijević, Marko Janković, Deajan Andrejević and Dragan Momirović	INFORMACIONO-KOMUNIKACIONE TEHNOLOGIJE, DIGITALNA EKONOMIJA I PROMENA INDUSTRIJSKE STRUKTURE
7.	Vesna Makitan, Miodrag Ivković, Eleonora Brtko, Vladimir Brtko	UTICAJ NOVIH TEHNOLOGIJA NA SAVREMENE PROJEKTE

Sesija S4 – Programska oblast: Računarske primene

9:00-10:30, sreda, 13. mart 2019. (Sala Pančić 1, Grand hotel)

R.br.	Autori	Naslov rada
1.	Ana Pajić Simović, Nenad Aničić and Slađan Babarogić	ANALIZA PRISTUPA ZA MODELOVANJE POSLOVNIH PROCESA ZASNOVANIH NA ARTIFAKTIMA
2.	Tamara Gajić and Ivan Tot	CRM U ELEKTRONSKOM OBRAZOVANJU
3.	Saša Sudar, Miloš Racković and Zdravko Ivanković	KONCEPT BAZA PODATAKA U ERP DISTRIBUIRANOM INFORMACIONOM SISTEMU
4.	Natasa Kablar	APLIKACIJA ZA BIBLIOTEKU
5.	Vesna Blagojević and Aleksandra Cvetković	THE PERFORMANCE ANALYSIS OF NONREGENERATIVE COOPERATIVE SWIPT SYSTEM
6.	Robert Pinter, Miklos Poth, Sanja Maravić Čisar and Zlatko Čović	AUTOMATSKI SISTEM ZA EVIDENCIJU PRISUSTVA NASTAVI KORIŠĆENJEM ARDUINO PLATFORME I ANDROID APLIKACIJE
7.	Bojana Zlatkovic and Biljana Samardzic	SIMULATION OF SPATIAL CHAOS IN MIMO CASCADE NONLINEAR SYSTEMS USING MATLAB
8.	Neđeljko Lekić and Zoran Mijanović	JEDNOSTAVNI ARDUINO PLC ŠILD
9.	Milos Danilovic and Oliver Ilic	ANALIZA ITERACIJA NEH HEURISTIKE ZA PROBLEM REDOSLEDA DELOVA U LINIJI
10.	Vladimir Nešić, Đorđe Jovanović, Matija Živanović and Tijana Nikolic	DISPATCHER TRAINING SIMULATOR FOR DISTRIBUTION POWER GRID
11.	Vladimir Vasić	ALGORITAM IZGRADNJE KLASIFIKACIONOG MODELA U PRISUSTVU NEKOMPLETNIH PODATAKA
12.	Aleksandra Krstić Furundžić	PREZENTACIJA REZULTATA RADA NA MEĐUNARODNOM COST PROJEKTU CA16235 (WG4) RELEVANTNIH ZA TEHNOLOŠKI PROJEKAT TR36035
13.	Dejan Rančić, Olivera Pronić-Rančić and Gabrijela Dimić	UPOREDNA ANALIZA KLASIFIKACIONIH MODELA U MEŠANOM OKRUŽENJU UČENJA
14.	Vladan Nešić and Ivan Petrović	IoT PLATFORM – MANHOLE MONITORING OF TK INFRASTRUCTURE
15.	Dragan Stošić, Snežana Pantelić, Vladimir Simeunović, Gradimir Ivanović, Petar Ješić and Dragan Stević	PRAĆENJE DOLIVANJA GORIVA, MAZIVA I TEHNIČKIH TEČNOSTI NA PK UGLJA DRMNO PODRŽANO SAVREMENIM IKT
16.	Đorđe Kocić and Nenad Petrović	PRIMENA ANDROID UREĐAJA U MERENJIMA ANALOGNIH ELEKTRIČNIH SIGNALA

Sesija S5 – Programska oblast: E-društvo10:30-11:30, sreda, 13. mart 2019. (*Sala Pančić 1, Grand hotel*)

R.br.	Autori	Naslov rada
1.	Đuro Klipa and Rade Dragović	ZNAČAJ RAZVOJA EUPRAVE REPUBLIKE SRBIJE
2.	Nebojša Janićijević	THE IMPACT OF INFORMATION AND COMMUNICATIONS TECHNOLOGY ON CONTEMPORARY ORGANIZATIONS
3.	Rajko Terzić and Milosav Majstorović	OTVORENI STANDARDI, OTVORENI PODACI I PRIMENA U MEDICINSKIM ISTAŽIVANJIMA
4.	Antonina Lazic and Dragan Vukmirovic	THE IMPACT OF TRADITIONAL AND SOCIAL MEDIA ON THE DECISION MAKING DURING FASHION BRAND SHOPPING
5.	Jelena Šuh	RAZVOJ INTERNETA U DRŽAVAMA ZAPADNOG BALKANA
6.	Slaviša Đukanović, Veljko Marinković, Ivan Košanin, Slobodan Nedeljković, Vojkan Nikolić and Duško Sivčević	PRIMENA BI U PRAĆENJU BEZBEDNOSTI
7.	Emilija Kokić, Vojkan Nikolić, Slaviša Djukanović, Predrag Djukanović and Branko Markoski	OTVORENI PODACI (OPEN DATA) EUPRAVE REPUBLIKE SRBIJE

Poster sesija P3 – Programska oblast: Vojne primene

9:00-11:30, sreda, 13. mart 2019 (Sala Pančić 2, Grand Hotel)

R.br.	Autori	Naslov rada
1.	Valentina Ljubisavljevic, Mladen Lukic, Pavle Milosevic, Aleksandar Rakicevic and Mihailo Stupar	POREĐENJE ALGORITAMA MAŠINSKOG UČENJA NA PRIMERU KLASIFIKACIJE VOZAČA
2.	Aleksandra Vukmirović, Jovanka Vukmirović, Nebojša Dragović, Stefan Radojičić and Sofija Vukmirović	PRIMENA BIG DATA KONCEPTA U CILJU PREVENCIJE KRIMINALNIH AKTIVNOSTI
3.	Jordan Atanasijević, Borislav Đorđević and Nevena Stanković	ANALIZA UTICAJA SSD I MAGNETNIH DISKOVA NA PERFORMANSE SQL SERVERA
4.	Jordan Atanasijević, Borislav Đorđević and Nevena Stanković	IMPLEMENTACIJA I ANALIZA VERTIKALNOG PARTICIONISANJA U BAZAMA PODATAKA SA ASPEKTA MEMORIJE
5.	Momir Stanković, Stojadin Manojlović and Davorin Mikluc	ADRC ALGORITAM SA REZONANTNIM PROŠIRENIM OBSERVEROM STANJA U FORMI REGULATORA SA JEDNIM STEPENOM SLOBODE
6.	Ivan Tot, Lazar Đorđević, Mladen Trikoš, Dušan Bogičević and Komlen Lalović	PRIMENA BIOMETRIJSKIH PODATAKA ZA KONTROLU PRISTUPA INFORMACIONIM SISTEMIMA
7.	Jelena Mitrović and Bojan Milanović	DEKODIRANJE FREJMA ADS-B SISTEMA ZA PRAĆENJE VAZDUŠNOG SAOBRAĆAJA U PROGRAMSKOM JEZIKU PYTHON
8.	Davor Holender and Aleksa Lazović	REALIZACIJA DIGITALNOG KOMPASA UPOTREBOM MEMS SENZORA
9.	Mladen Trikoš, Stefan Pejanović, Ivan Tot, Jovan Bajčetić and Boriša Jovanović	BIOSENZORI I AKVIZICIJA BIOMETRIJSKIH PODATAKA
10.	Marko Manojlovic	SIMULACIJA I POREĐENJE ALGORITAMA ZA REŠAVANJA LAVIRINTA
11.	Mladen Randić and David Novaković	SAMOSTALNO IZBEGAVANJE PREPREKA I BEŽIČNO UPRAVLJANJE POMOĆU BLUETOOTH KOMUNIKACIJE MOBILNOG ROBOT TENKA PUTEM ARDUINO UNO-A
12.	David Novaković and Mladen Randić	INTERNET STVARI: IZRADA METEOROLOŠKE STANICE POMOĆU ESP8266 MODULA
13.	Aleksa Lazović and Davor Holender	ZNAČAJ RFID U IMPLEMENTACIJI SISTEMA BESKONTAKTNE KONTROLE PRISTUPA
14.	Sonja Kandic and Marko Manojlovic	ЈЕДАН ПРИМЕР РАДА РАДАРСКОГ ПОКАЗИВАЧА У ПРОГРАМУ LABVIEW
15.	Tamara Gajić and Ivan Tot	DRUŠTVENE MREŽE U MINISTARSTVU ODBRANE I VOJSCI SRBIJE
16.	Filip Ilic, Marko Antonijevic and Davorin Mikluc	HARDWARE IMPLEMENTATION AND ANALYSIS OF ALGORITHMS FOR DATA ASSOCIATION
17.	Marko Antonijević, Filip Ilic and Davorin Mikluc	TRAJECTORY AND PARAMETER ESTIMATION OF MOVING TARGET IN MONO INFRARED SENSOR SYSTEM
18.	Stefan Bozanic, Stefan Sretenovic and Vladimir Kekić	THE IMPORTANCE AND USAGE OF VISUALISATION OF SMART BUILDINGS' DATA
19.	Davorin Mikluc, Nenad Stojanovic, Boban Bondzulic and Vladimir Petrovic	UTICAJ VIŠESTRUKIH DISTORZIJA NA OBJEKTIVNU PROCENU KVALITETA SLIKE

9th International Conference on Information Society and Technology – ICIST 2019

Programme

Sunday, March 10

16:00-17:00 **Registration**, Room Pančić 1, Grand Hotel

17:00-17:30 **Opening Ceremony**, Room Pančić 1, Grand Hotel

17:30-18:30 **Keynote session**
Room Pančić 1, Grand Hotel

Where do we go from here? - Jožek Gruškovnjak, Inlucio Zurich

Many Chains, One Ecosystem - Žarko Milošević, Singidunum, Interchain Foundation

20:30 **ICIST Wine Connection, keynote Pinter Winery (SmeTam, Župljanka, Moba, Slagalica, Kitnjak)**
Room Pančić 1, Grand Hotel

Monday, March 11

9:30-11:30 **Special track: Semantic technologies for Big Data: Volume, Velocity, Variety and Veracity**
Room Pančić 1, Grand Hotel

1	Igor Manojlović and Aleksandar Erdeljan	An Efficient Algorithm for Real-Time Span Temporal Aggregation of Time Series
2	Guma Lakshen, Sanja Vraneš and Valentina Janev	Linking Open Drug Data: the Arabic dataset
3	Riste Stojanov, Sasho Gramatikov, Milos Jovanovik and Dimitar Trajanov	Delegated attribute-based access control (DABAC) for contextual Linked Data
4	Hugo André dos Santos Antunes, Paulo Figueiras, Ruben Costa, Joel Teixeira and Ricardo Goncalves	Big data analytics for extracting mobility patterns in a large urban center
5	Marko Jelić, Dea Pujić and Hajira Jabeen	A State-of-the-Art Review on Big Data Technologies
6	Guma Lakshen and Valentina Janev	Quality Issues of Open Big Data Ecosystems: Toward Solution Development
7	Miloš Bogdanović, Milena Frtunić Gligorijević, Nataša Veljković, Darko Puflović and Leonid Stoimenov	On improving open dataset categorization

Monday, March 11

9:30-11:30 **Special track: ICT for Automotive**

Room Pančić 2, Grand Hotel

1	Kristina Stojmenova, Vesna Marinko and Jaka Sodnik	Effects of phoning during driving
2	Timotej Gruden, Grega Jakuš and Jaka Sodnik	Physiological measurements for determining driver's state and behavior
3	Sara Tement, Nejc Plohl, Marina Horvat, Bojan Musil, Grega Jakuš and Jaka Sodnik	Is past behavior the best predictor of future behavior? Comparing the behavioral validity of self-reported speeding and driving simulator data
4	Orestis Georgiou, Gareth Young, Hamish Milne, Daniel Griffiths and Robert Blenkinsopp	Haptic Gestures for In-Vehicle Infotainment Systems
5	Ursa Čižman Štaba, Karmen Resnik Robida, Tara Klun, Klemen Trontelj, Kristina Stojmenova and Jaka Sodnik	Assessing driving skills of patients after brain injury
6	Nadica Miljković, Nenad B. Popović, Milana Prodanov and Jaka Sodnik	Assessment of sickness in virtual environments
7	Jaka Sodnik -	Autonomous driving – challenges and opportunities

15:30-16:30 **Poster session 1**

Room Pančić 2, Grand Hotel

1	Nikola Luburić, Goran Sladić and Branko Milosavljević	Examining Repudiation Threats Using a Framework for Teaching Security Design Analysis
2	Edis Mekić, Safet Purković and Kristijan Kuk	Empirical Study of Silent ASICs Mining in Cryptonight Block Chain System
3	Marko Vještica, Slavica Kordić, Milan Celiković, Vladimir Dimitrieski, Ivan Luković and Jovana Vidaković	A Performance Evaluation of Some Function-Based Indexes in RDBMS
4	Stevan Stankovski, Gordana Ostojić, Igor Baranovski, Sandra Nemet, Miloš Stanojević, Mladen Babic and Miroslav Nicin	Challenges of IoT Payments
5	Jordan Atanasijević, Borislav Đorđević and Nevena Stanković	Analysis of the influence of ssd and magnetic discs on the performance of SQL server
6	Lazar Berbakov, Marko Batić and Nikola Tomašević	Mobile application for energy management in smart buildings

Monday, March 11

16:30-18:00 **Special track: ICT for health, aging and well-being – Session 1**

Room Pančić 2, Grand Hotel

1	Sara Stančin and Sašo Tomažič	Computationally Efficient Angular Orientation Calculation from 3D Gyroscope Measurements
2	Ivana Ognjanović and Ramo Šendelj	The National Star Model of Medical Informatics Education in Montenegro
3	Dejan Dimitrijević, Vladimir Todorović, Nemanja Nedić, Igor Zečević and Sergiu Nedeveschi	Towards Automatic Screening of Idiopathic Scoliosis Using COTS Sensor Devices based upon Deep Learning
4	Anton Kos, Milivoj Dopsaj, Stefan Marković and Anton Umek	Augmented Real-time Biofeedback Application for Precision Shooting Practice Support
5	Bojan Vukov and Dobrovoje Martinov	Bridging the gap between the potential and realized benefits of health information technology
6	Marcelo Rudek and Nicoli M. Silva	A Proposal for Footprints Classification in Gait Patterns based on the trajectory of Centres of Pressure
7	Andrea Hernández Casillas, Anton Umek and Anton Kos	Reliable Communication Protocol for Cyclically Interrupted Radio Channel in Sports Biofeedback Systems
8	Lia Romano, Anna Federica Altieri, Anton Kos, Anton Umek and Sašo Tomažič	Wireless Sensor Device for the Acquisition of High-Frequency Signals in Sport

18:00-19:30 **ICT for health, aging and well-being – Session 2**

Room Pančić 2, Grand Hotel

1	Ana Milojković, Filip Ivković and Miodrag Ivković	Factors of software engineers' work motivation
2	Anton Umek and Anton Kos	Augmented feedback system for coaching support in volleyball
3	Miloš Pavlič, Ognjen Francuski, Igor Jovin, Jelena Slivka and Aleksandar Kovačević	Predicting different types of dementia using structured data
4	Željko Santoši, Mario Sokac, Đorđe Vukelić and Igor Budak	3D reconstruction of patient-specific dental bone grafts by application of reverse engineering modeling
5	Fernando Luis-Ferreira, Jorge Calado, Andreia Artifice, João Sarraipa and Ricardo Jardim-Goncalves	Personalized Technological Architectures to Assist Dementia Patients based on Energy Efficiency
6	Jelena Mitić, Nikola Vitković, Miodrag Manić and Miroslav Trajanović	Application of artificial neural networks in prediction of human mandible geometry
7	Ulfeta Marovac, Adela Ljajic, Aldina Avdić and Anida Fazlagić	Automation of psychological testing of stressful situations in Serbian
8	Aldina Avdić, Ulfeta Marovac, Dragan Janković and Dženan Avdić	Normalization of Medical Records Written in Serbian

21:15

YUINFO & ICIST – ATOS Party - Groš

Garden, Grand hotel

Tuesday, March 12

9:30-11:30 **Special track: Artificial Intelligence-enabled Enterprise Information Systems**
Room Pančić 1, Grand Hotel

1	Ivan Perić, Gowtham Srungarapu, Shraddha Sharma and Shamit Bhattacharya	Rule Mining-based Insurance Policy Form and Coverage Recommender System with Support-based Rule Indexing and Evaluation
2	Nikola Korunović and Milan Zdravković	Real-time structural analysis assistance in customized product design
3	Ivan Stevović, Dragoljub Mirjanić, Svetlana Stevović and Dušan Ješić	Nature inspired artificial intelligence for energy system optimization
4	Juma Ibrahim, Valentina Timčenko and Slavko Gajin	A comprehensive flow-based anomaly detection architecture using entropy calculation and machine learning classification
5	Valentina Timčenko, Juma Ibrahim and Slavko Gajin	The Hybrid Machine Learning Support for Entropy Based Network Traffic Anomaly Detection
6	Pasquale Merla, Michele Dassisti and Giambattista Stigliano	Evaluation of the last Machine Learning approaches for the wastewater treatment
7	Joao Gao, Bako Rajaonah, Elsa Marcelino-Jesus and Joao Sarraipa	A Trustworthiness-Based Application to Handle Private Data In a FIWARE-Based System
8	Danijel Marković, Aleksandar Stanković, Goran Petrović, Miroslav Trajanović and Žarko Čojbašić	Genetic and Ant Colony Optimization Based Communal Waste Collection Vehicle Routing
9	Tomislav Dobricki, Ognjen Vlajić, Dragan Vidaković and Jelena Slivka	Generating images to fool a trained neural network using simple search algorithms

9:30-11:30 **Regular track: Software engineering**
Room Pančić 2, Grand Hotel

1	Aleksandar Kaplar, Aleksandra Aleksić and Aleksandar Kovačević	Evaluating String Distance Metrics for Approximate Dictionary Matching: A Case Study in Serbian Electronic Health Records
2	Miltiadis Siavvas, Dimitrios Tsoukalas, Marija Jankovic, Dionysios Kehagias, Alexander Chatzigeorgiou, Dimitrios Tzouvaras, Nenad Aničić and Erol Gelenbe	An Empirical Evaluation of the Relationship between Technical Debt and Software Security
3	Alen Suljkanović, Milorad Filipović, Sebastijan Kaplar and Igor Dejanović	Tools for describing architecture of distributed systems based on microservices: overview and improvements
4	Ivana Zeljković, Jelena Slivka, Goran Savić and Milan Segeđinac	The model of code readability features: visual, structural and textual
5	Zorica Mitrović, Ema Nešković and Jovana Rakičević	Design Structure Matrix for Identification of Critical Success Factors for Software Projects
6	Miloš Simić, Milan Stojkov, Goran Sladić, Branko Milosavljević and Miroslav Zarić	On container usability in large-scale edge distributed system
7	Bojana Zoranović, Nenad Todorović, Željko Vuković, Aleksandar Lukić and Gordana Milosavljević	Testing of Large Scale Model-Driven Solutions
8	Goran Šimić, Zoran Maksimović and Aleksandar Jevremović	xAPI – New eLearning Standard for LMS – Simulations Integration

Tuesday, March 12

15:30-17:00 **Poster session 2**

Room Pančić 2, Grand Hotel

1	Klemen Cerv and Damir Varešanović	Using Facial Expression Recognition for Driver State Evaluation
2	Dionysios Politis, Rafail Tzimas, Nektarios Paris and Veljko Aleksić	Ethnic Music in the Balkans: Identity, Similarity and Classification Norms
3	Aleksandra Aleksić, Milan Vidaković, Goran Savić, Aleksandar Kaplar and Milan Segedinac	The Synchronisation of E-Learning Courses Using Agent Technology
4	Jelica Cincović, Sanja Delčev and Dražen Drašković	Architecture of web applications based on Angular Framework: A Case Study
5	Milan Paroški and Marko Matijević	Analysis of Egovernment in EU
6	Žarko Bogičević and Nenad Stefanović	Virtual Internships in Vocational Education and Training
7	Nemanja Marković, Stefan Savić, Miroslav Trajanović and Žarko Čojbašić	Advanced Tobacco Moisture Control Based on Machine Learning and Intelligent Industry 4.0 Solutions

17:00-18:15 **Regular track: Information systems– Session 1**

Room Pančić 2, Grand Hotel

1	Ramo Šendelj and Ivana Ognjanović	Multicriteria Decision Making Support for Cyber Security Capacity Building within Organisations
2	Milan Stojkov, Goran Sladić, Branko Milosavljević, Miroslav Zarić and Miloš Simić	Privacy issues in IoT smart healthcare system
3	Stefan Dejanović, Jelena Marjanović, Imre Lendák and Aleksandar Erdeljan	Using blockchain to decentralize and protect user privacy in compliance with GDPR
4	Vladimir Ivković, Nikola Todorović, Dušan Gajić and Nenad Todorović	Boosting Transition to Paperless Trade – Mapping Traditional Trade Contracts to Smart Contracts
5	Katerina Cekova, Cveta Martinovska and Mimoza Klekovska	Remote Monitoring of Toxic Gases in Mines
6	Dragan Ivanović, Hanna-Mari Puuska, Joonas Nikkanen, Lauri Hellsten and Olli Eskola	Implementation of OpenAIRE Guidelines for CRIS managers to Finnish VIRTIA Publication Information Service

Tuesday, March 12

18:15-19:30 **Regular track: Information systems – Session 2**

Room Pančić 2, Grand Hotel

1	Danijela Boberić-Krsticev and Danijela Tešendić	BISIS Software as a Service
2	Miloš Jevtić, Nikola Žogović and Stevica Graovac	Multi-sensor Data Fusion Architectures Revisited
3	Mina Medić, Katarina Preradov, Miroslav Zarić, Goran Sladić and Siniša Nikolić	Calculation of Insurance Policy Prices Using Rules-based Systems
4	Maksim Lalić, Vladimir Ivančević and Ivan Luković	Detection of Region-Specific Voting Patterns in Eurovision Song Contest
5	Aleksa Mirković, Branko Terzić, Dušan Gajić, Marina Nenić and Ivan Luković	A Model-Driven Approach to Establishment of Private Blockchain Business Networks
6	Milan Vidaković, Mirjana Ivanović and Jovana Vidaković	Increasing agent mobility in Siebog Agent Middleware

21:15

ICIST Pop&Rock Party with So&So Band – Club A

Izdavač:
INFORMACIONO DRUŠTVO SRBIJE

Za izdavača:
prof. dr Miodrag Ivković

Odgovorni urednik:
mr Dušan Korunović

Redakcija:
Programski odbor

Tehnička obrada:
Mile Ž. Ranđelović, dipl. ing.

Štampa:
"Sven", Niš

Tiraž:
250 primeraka

