

## Teme za seminarske radove:

### Teorija:

Tema	Polazna literatura	Temu rezervisali
Ekрани osjetljivi na dodir		Milojka Ratković 1/19
Autonomna vozila		Milena Božović 4/19
Koncept pametnih gradova u svijetlu primjene 5G tehnologije		Jelena Stanić 10/19
Mrežni protokoli i standardi za Internet of Things	<a href="https://www.dropbox.com/s/0w51jy5jillpr02/Networking%20Protocols%20and%20Standards%20for%20Internet%20of%20Things.pdf?dl=0">https://www.dropbox.com/s/0w51jy5jillpr02/Networking%20Protocols%20and%20Standards%20for%20Internet%20of%20Things.pdf?dl=0</a>	Ana Nišavić 11/19
Xilinx softver za projektovanje digitalnih sistema	Xilinx-ov web sajt	
Izmjene u novom Verilog standardu u odnosu na originalni	Internet	
Wearable Sensors in Healthcare (Wearable senzori za primjenu u zdravstvenoj zaštiti)	Internet	Mihailo Kopitović 37/19
Quantum računari	Internet, <a href="https://1drv.ms/b/s!Atsq000IANzigY1v0CXhF2bEY5ykNg?e=2A56Vp">https://1drv.ms/b/s!Atsq000IANzigY1v0CXhF2bEY5ykNg?e=2A56Vp</a>	Marko Marković 7/19
Da li će RISC-V predstavljati revoluciju u računarstvu?	<a href="https://www.dropbox.com/s/ycytxs74a5uzp4z/RISC-V.pdf?dl=0">https://www.dropbox.com/s/ycytxs74a5uzp4z/RISC-V.pdf?dl=0</a>	Stefan Šćepanović 8/19
CupCarbon - softver za simulaciju WSN	<a href="https://www.dropbox.com/s/9lztgbs7h9oqhe/cupcarbon_user_guide%20-%20WSN%20IoT%20SIMULATOR.pdf?dl=0">https://www.dropbox.com/s/9lztgbs7h9oqhe/cupcarbon_user_guide%20-%20WSN%20IoT%20SIMULATOR.pdf?dl=0</a>	Tina Golubović 41/19 Jovan Đurković 6/19
Platforme i protokoli za Edge Computing	<a href="https://www.dropbox.com/s/4xd7gw77s8vnfsk/Edge%20Computing%20Platforms%20and%20Protocols%20-%20phdThesis.pdf?dl=0">https://www.dropbox.com/s/4xd7gw77s8vnfsk/Edge%20Computing%20Platforms%20and%20Protocols%20-%20phdThesis.pdf?dl=0</a>	
Pametna poljoprivreda (Smart Agriculture)	Internet	Budimir Anđelić 30/19
Pametno životno okruženje (Smart Environment)	Internet	Ivan Vojinović 43/19
Malware komunikacija kod IoT	<a href="https://www.dropbox.com/s/vt86k0ybxwtdy0z/Analysis%20and%20Characterization%20of%20IoT%20Malware%20Command%20and%20Control%20Communication.pdf?dl=0">https://www.dropbox.com/s/vt86k0ybxwtdy0z/Analysis%20and%20Characterization%20of%20IoT%20Malware%20Command%20and%20Control%20Communication.pdf?dl=0</a>	Tijana Radojičić 3/19
Blockchain	<a href="https://www.dropbox.com/s/sk9lgi1cbhm8krg/ce-jan20-final.pdf?dl=0">https://www.dropbox.com/s/sk9lgi1cbhm8krg/ce-jan20-final.pdf?dl=0</a> Internet	Filip Živković 35/19
Kriptovalute	Internet	Marko Katić 2/19
Fog paradigma	Internet	
Cloud tehnologija	Internet	Olivera Nikčević 14/19
Virtuelna i proširena stvarnost (Virtual and augmented reality)	<a href="https://www.dropbox.com/s/mvjx4lqjnwvdeq/ce-mar20-final.pdf?dl=0">https://www.dropbox.com/s/mvjx4lqjnwvdeq/ce-mar20-final.pdf?dl=0</a> Internet	Nina Blagojević 5/19

## Praktični rad:

Tema	Polazna literatura	Temu rezervisali
WiFi G demo board kao osnova za web server	<a href="https://www.dropbox.com/s/6pi320wotnokq8o/WiFi%20G%20demo%20board.pdf?dl=0">https://www.dropbox.com/s/6pi320wotnokq8o/WiFi%20G%20demo%20board.pdf?dl=0</a>	
Hardversko upravljanje LCD-om na Spartan 3E platformi	<a href="https://www.dropbox.com/s/6xw3bfqhc4hawc2/lcd.pdf?dl=0">https://www.dropbox.com/s/6xw3bfqhc4hawc2/lcd.pdf?dl=0</a>	Mogu je raditi dva studenta
Laboratorijsku vježbu „Tok dizajna u Xilinx razvojnom okruženju“ sa Spartan 3-E Starter Kit razvojne platforme prebaciti na XUPV5-LX110T razvojnu platformu	Za XUPV5-LX110T razvojnu platformu se koristi ISE 10.1 (sa odgovarajućim OS-om) i Platform Cable USB II.	Mogu je raditi dva studenta
Laboratorijsku vježbu „Architecture Wizard i PACE Lab (PlanAhead)“ sa Spartan 3-E Starter Kit razvojne platforme prebaciti na XUPV5-LX110T razvojnu platformu	Za XUPV5-LX110T razvojnu platformu se koristi ISE 10.1 (sa odgovarajućim OS-om) i Platform Cable USB II.	Mogu je raditi dva studenta
Laboratorijska vježba sa sopstvenom idejom, na Spartan 3-E Starter Kit razvojnoj platformi		
<b>Pametna kuća bazirana na RPi</b>		<b>Ognjen Vujičić</b> 9/19

## Kombinacija teorije i praktičnog rada (po dvoje da radi?):

Tema	Polazna literatura	Temu rezervisali
Serijska komunikacija realizovana preko PicoBlaze mikrokontrolera	<a href="https://www.dropbox.com/s/jkajpox3gl2mxh/UART6_User_Guide_and_Reference_Designs_30Sept14.pdf?dl=0">https://www.dropbox.com/s/jkajpox3gl2mxh/UART6_User_Guide_and_Reference_Designs_30Sept14.pdf?dl=0</a>  <a href="https://www.dropbox.com/s/7xskb2wy6qaq0q4/UART_Manual.pdf?dl=0">https://www.dropbox.com/s/7xskb2wy6qaq0q4/UART_Manual.pdf?dl=0</a>	Mogu je raditi dva studenta
i2c komunikacija realizovana preko PicoBlaze mikrokontrolera	<a href="https://www.dropbox.com/s/lcrg52n38dzk0y0/KC705_KCPSM6_I2C_EEPROM_reference_design.pdf?dl=0">https://www.dropbox.com/s/lcrg52n38dzk0y0/KC705_KCPSM6_I2C_EEPROM_reference_design.pdf?dl=0</a>	Mogu je raditi dva studenta
SPI komunikacija realizovana preko PicoBlaze mikrokontrolera	<a href="https://www.dropbox.com/s/ri2ccklm8z1bygk/KC705_KCPSM6_SPI_Flash_reference_design.pdf?dl=0">https://www.dropbox.com/s/ri2ccklm8z1bygk/KC705_KCPSM6_SPI_Flash_reference_design.pdf?dl=0</a>	Mogu je raditi dva studenta

NAPOMENA: na raspolaganju su po dvije razvojne platforme (Spartan 3-E Starter Kit i XUPV5-LX110T) tako da je to ograničavajući faktor prilikom dodjele tema. Ne može se uzeti tema koja bi zahtijevala treću Spartan 3-E Starter Kit razvojnu platformu, odnosno treću XUPV5-LX110T platformu. I ovdje će se, ako do toga dođe, primjenjivati princip First Come First Served.