

Prezentacija smera IKTiOS

turukalo@uns.ac.rs

www.telekom.ftn.uns.ac.rs



5G mMTC massive Machine-Type Communications: Kako povezati milione senzora na 4G/5G mrežu?

PREDICTIONS, CHALLENGES AND REASONS TO MOVE TOWARD 5G AND IOT

TIMELINE OF EXPERT PREDICTIONS

PER CISCO, 4G WILL ACCOUNT
FOR 10% OF ALL CONNECTIONS
BUT GENERATE 8 TIMES THE
AMOUNT OF NON-4G TRAFFIC.
SMARTPHONES AND TABLETS
WILL OPERATE VIA LTE AND
WI-FI, AVERAGING OVER
5 MBPS; MOBILE CONNECTION
SPEEDS WILL INCREASE 7-FOLD.

2017

10%

2019

OVER 90% OF THE EARTH'S
POPULATION WILL HAVE MOBILE
NETWORK ACCESS; 65% OF
THEM WILL USE 4G (LTE)

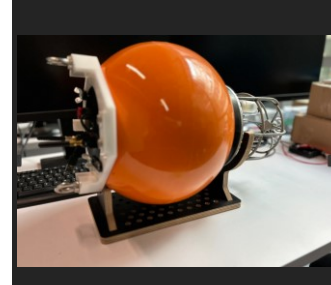
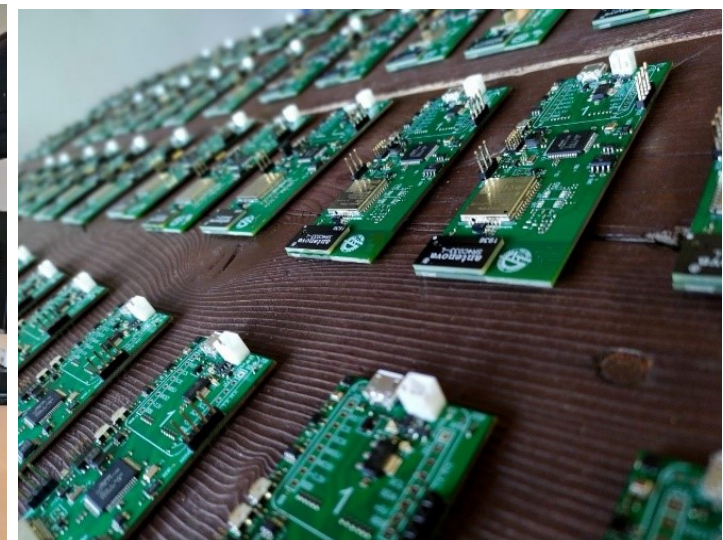
2025

1 TRILLION NETWORKED
DEVICES IN USE, CONSUMER AND
INDUSTRIAL, FROM HOSPITAL BED
AVAILABILITY SENSORS TO AUTO-
GENERATED SHOPPING LISTS

TRILLION 1

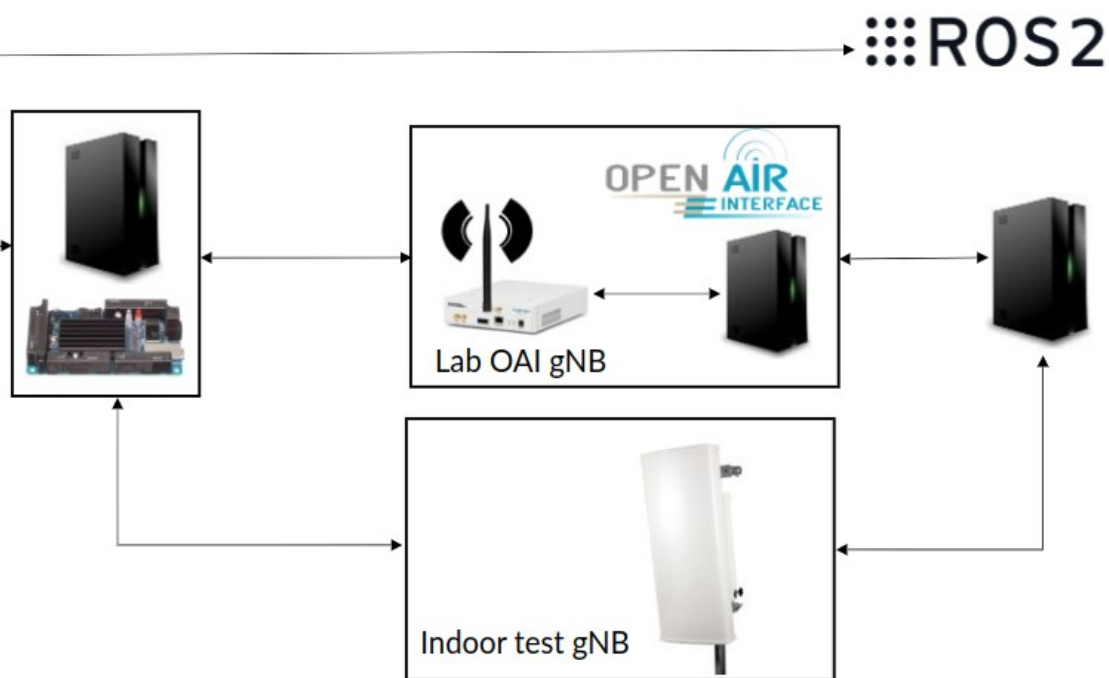
2032

DAILY, EACH PERSON WILL
TOUCH OR USE BETWEEN
300-500 "SMART" DEVICES



5G Ultra Reliable and Low Latency Communications: Kako povezati kritičnu infrastrukturu na 5G?

Saradnja sa AI institutom (IVI) u domenu 5G-connected robotics



Test 5G indoor (Yettel) i outdoor (Telekom) bazna stanica

Tri-sektorski 32-antenskim MIMO paneli (krov NTPa)



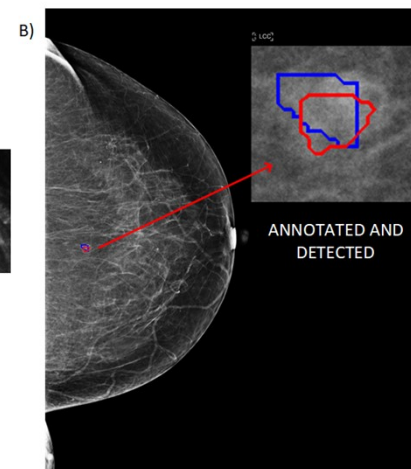
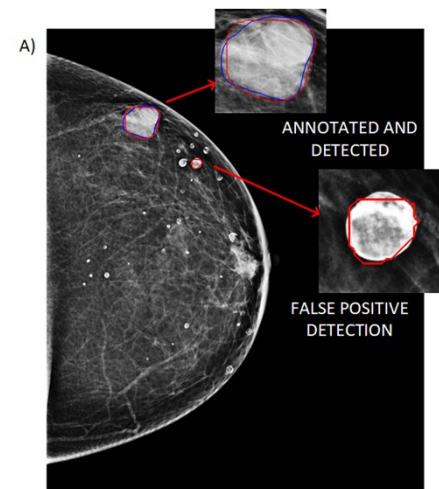
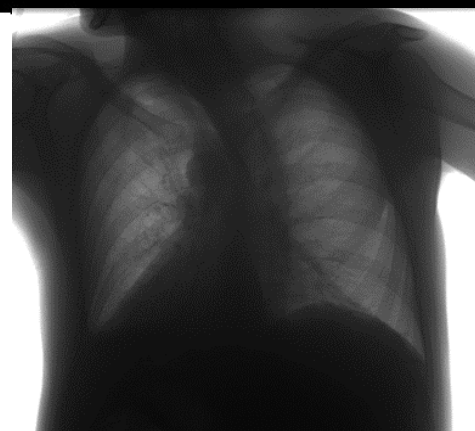
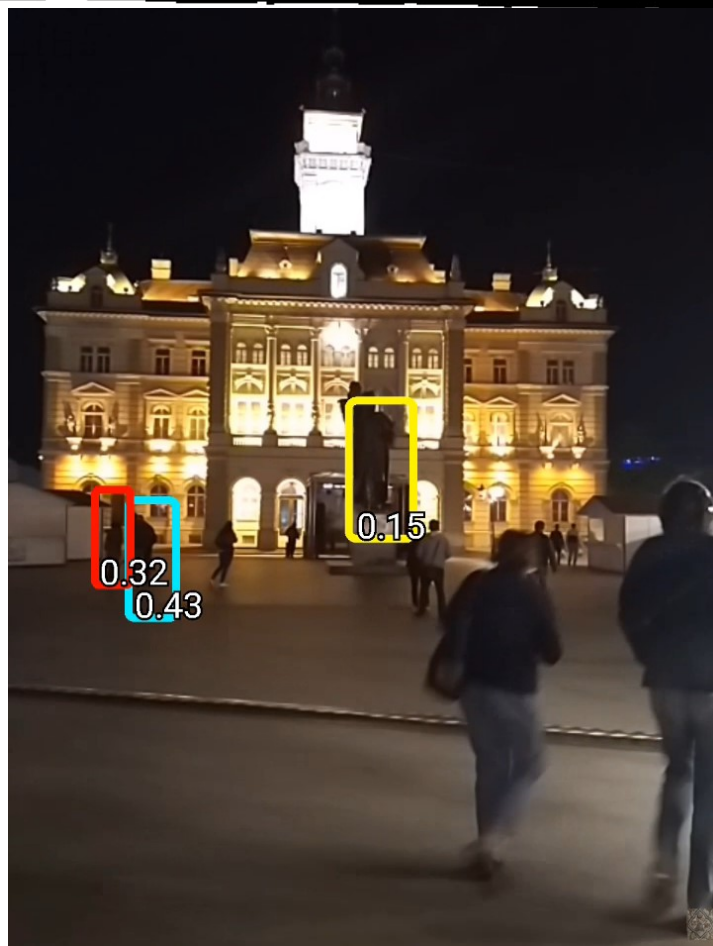
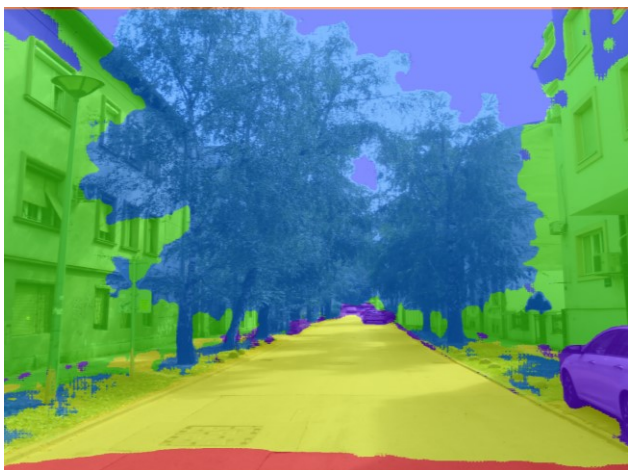
Dva radio modula - NTP hol i NTP 120 lab



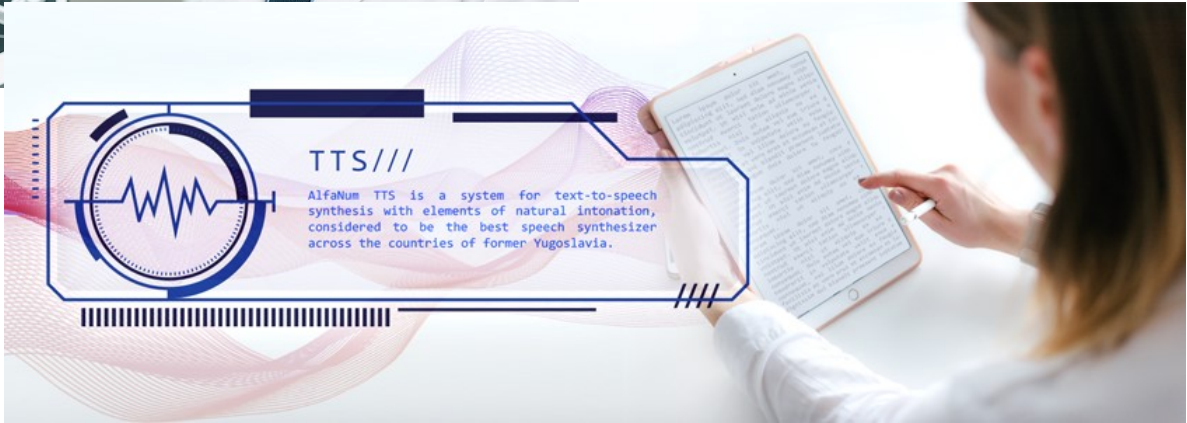
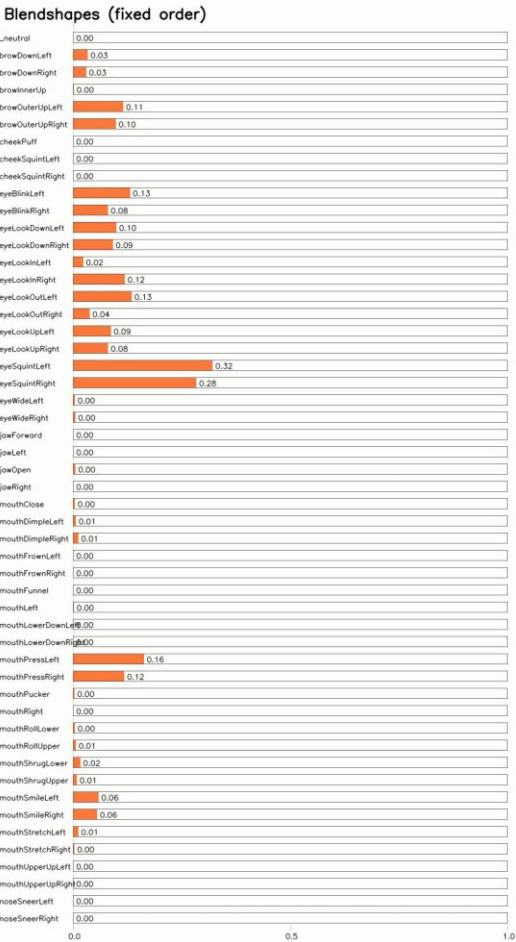
100

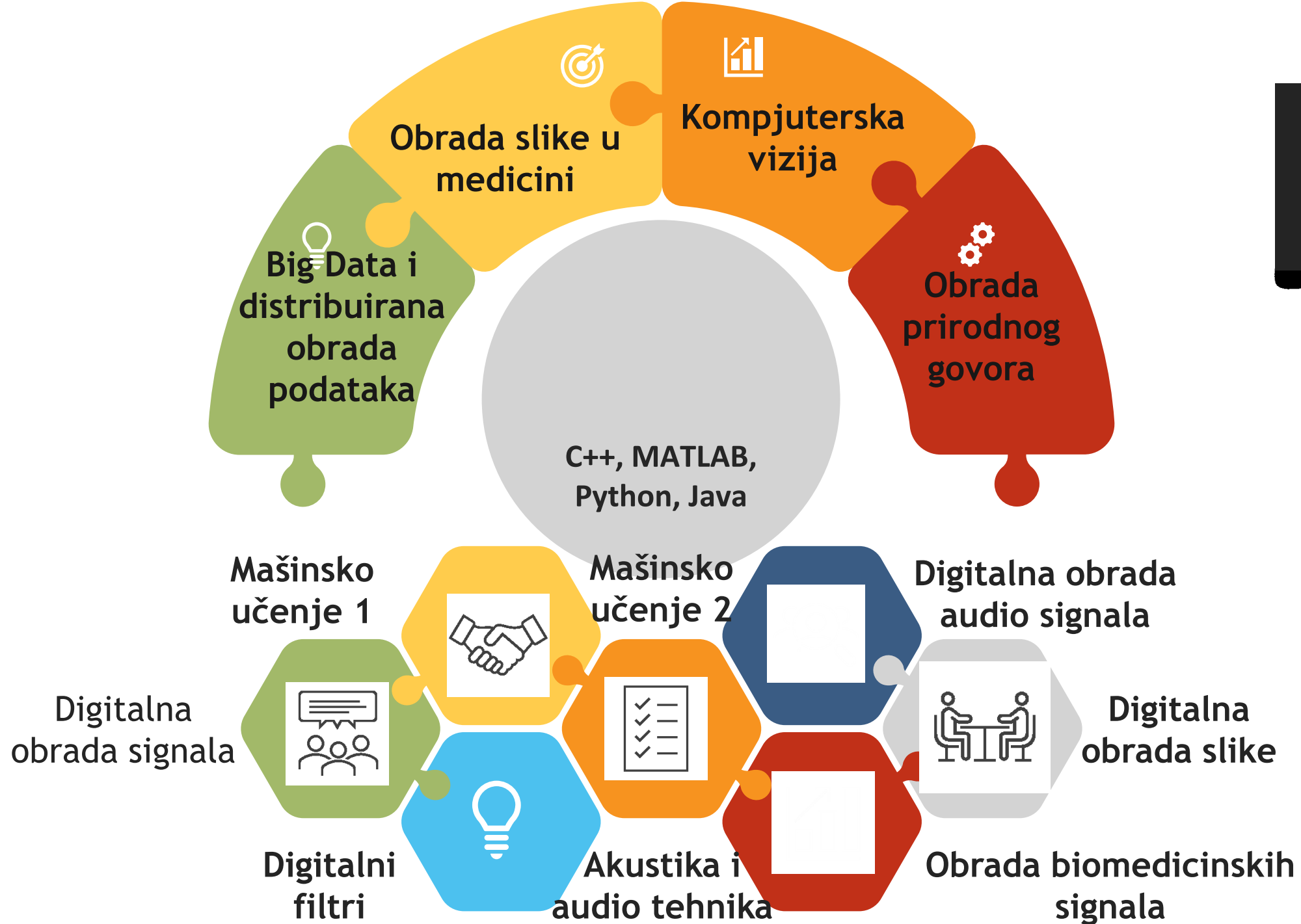


Obrada slike



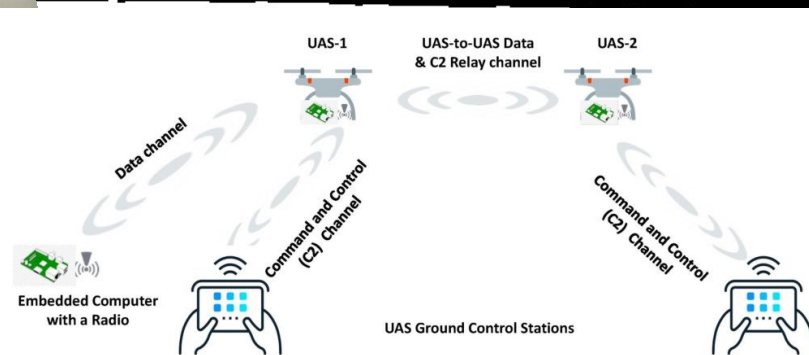
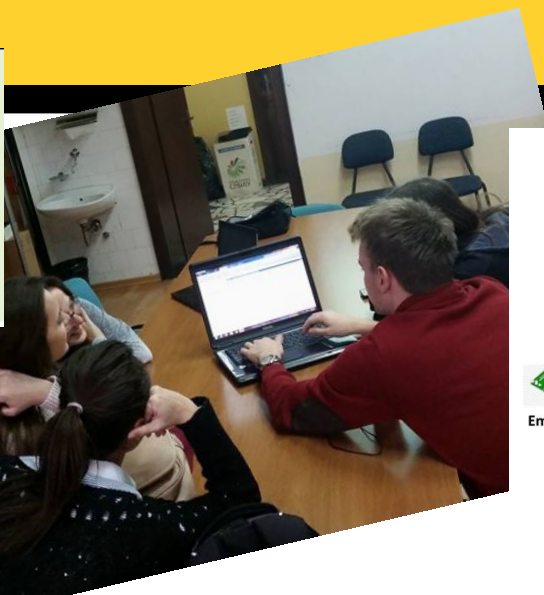
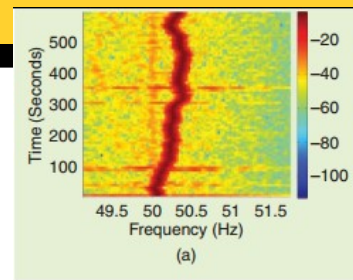
Govorne tehnologije



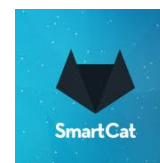




Dodatne aktivnosti, nagrade



Prakse i projekti



Posao





Milivoje Knezevic · 1st
Machine Learning Engineer at HTEC



Saška Babić · 1st
Telecommunication Engineer



Isidora Šašić · 1st
Machine Learning Engineer



Aleksandar Valka · 2nd
Software Engineer at Veriest, Novi Sad



Aleksandar Pantovic · 2nd
CEO at SmaRF Solutions



Milos Mihic · 1st
Telecommunications Engineer at Panos Inž



Strahinja Avramović · 2nd
Telecommunications Engineer at Panos Inženjering



Robert Mak · 1st
Software Developer at RT-RK



Marijana Jovičić · 1st
Software Engineer at RT-RK



Djordje Starcevic · 2nd
Senior Software Engineer at Schneider Electric DMS NS



Tamara Banovac · 2nd
Algorithm Developer at BGI Research



Vladan Orasanin · 1st
Network Engineer, Mercator S d.o.o.



Dejan Ceranic · 1st
Verification Engineer at HDL Design House



Mirza Halilovic · 1st
Software Test Engineer at RT-RK Automotive



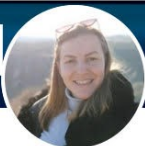
Neda Pištinjat · 2nd
Senior Data Scientist at Microsoft



Dejan Polovina · 1st
IT Engineer at m:tel



Nataša Avramović · 1st
Software Engineer at TTTech Auto



Ljiljana Popovic · 1st
Team Lead at TTTech Auto



Vladimir Jankov · 1st
Programmer and Computer Vision Engineer experienced with C/C++ and Python

Prezentacija smer IKTiOS

Danas od 12h do 14h svratite
u NTP 120 i NTP 122!

Dodite da vidite KTiOS laboratorije
i pitajte sve što vas zanima

turukalo@uns.ac.rs

www.telekom.ftn.uns.ac.rs

