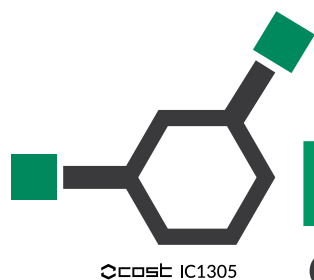


NESUS WINTER SCHOOL GUIDE



NESUS Winter School & PhD Symposium 2018

22nd - 25th January 2018, Zagreb, Croatia

WELCOME

3rd NESUS Winter School & PhD Symposium

On Data Science and Heterogeneous Computing

Organized by COST 1305 NESUS with Ruđer Bošković Institute, Centre for Informatics and Computing, Zagreb, Croatia

VENUE

HIIM - CROATIAN INSTITUTE FOR BRAIN RESEARCH

Address: Šalata 12, 10000 Zagreb, Croatia

<http://www.hiim.hr>

DATE

22-25 January, 2018, Zagreb, Croatia

ORGANIZING COMMITTEE

Jesus Caretero NESUS Chair

Karolj Skala RBI

Davor Davidovic RBI

Jelena Čubrić RBI

CONTACT

Karolj Skala (skala@irb.hr)

WEB

<http://nesusws.irb.hr>



 COST IC1305



SCOPE

The NESUS Winter School is a research training event with a global scope aiming at updating participants about the most recent advances in the critical and fast developing area of Data Science, which covers a large spectrum of current exciting research and industrial innovation with an extraordinary potential for scientific discoveries. School will cover these topics:

1. Data Science and Exascale Computing
2. Data Modelling and Simulation for Big Data
3. Big Data Analytics
4. Intelligent Methods and optimisation procedures
5. DataFlow computing for Big Data
6. Scalable data analysis (e.g. deep learning) frameworks and libraries
7. Benchmarking deep learning workloads on different hardware/software/framework stacks

Major challenges of Data science and Data Analytics will be identified through lectures, hands-on, and PhD symposium. Information exchange and interaction will be a main component of the event.

PhD SYMPOSIUM is devoted to PhD students and early stage researchers attending the school that will have the possibility to present their PhD research to a senior court and other attendees of the school. An open session will collect 5-minute voluntary presentations of work in progress. Half-page abstract containing title, authors, and summary of the research will have to be submitted by every participant.

WHO IS IT FOR

Master students, PhD students, postdocs, and industry practitioners will be typical profiles of participants. Overall, Winter School is addressed to students, researchers and practitioners who want to keep themselves updated about recent developments and future trends. All will surely find it fruitful to listen and discuss with major researchers.

VENUE

3rd NESUS Winter School will be held at the beautiful town of Zagreb, Croatia

ZAGREB– CITY WITH A MILLION HEARTS

The city of Zagreb, capital of Croatia, on the historic and political threshold between East and West, illustrates both the continental and Mediterranean spirit of the nation it spearheads. Zagreb is the cultural, scientific, economic, political and administrative centre of the Republic of Croatia, and is home to the Croatian Parliament, Government and President. Its favorable location between the Pannonian plain, the edge of the Alps and the Dinaric range has allowed it to become a crossing point for mass international communication.



The city is protected from the cold northern winds by the mountain of Medvednica and opens up to the rest of the world thanks to a spacious plain and the Sava river. Zagreb, with a population of nearly one million, contains almost a quarter of the entire population of Croatia. Over the centuries, the city was inhabited by people coming from all over Europe; and, in recent years, by people coming from different parts of Croatia, ensuring a rich cultural life. Zagreb is a safe city whose doors are always open; a city with a tumultuous history teeming with interesting personalities; a city that warmly invites all those who wish to get to know it, and a city that will surely fulfill your expectations. In this city, you can easily meet remarkable people, make new friends and enjoy special moments. The façades of Zagreb's buildings reflect the ebb and flow of history, while its streets and squares bear witness to the coming together of the many cultures that have shaped the identity of this laid-back capital.



More on: <http://www.infozagreb.hr/about-zagreb/basic-facts#introduction>



NESUS Winter School & PhD Symposium 2018

APPLICATION

TRAINEES

WHO IS ELIGIBLE FOR APPLICATION

Applications to attend the Winter School are open to early-stage researchers (as defined by the COST rules: less than PhD + 8 years experience) and PhD candidates / MSc thesis candidates from all and only **NESUS COST Action countries** (http://www.cost.eu/COST_Actions/ict/IC1305?parties). Industry participation from COST NESUS Action countries is also highly welcome subject to approval. Attendance of the COST Training school is free to all accepted applicants. Eligible people interested to attend the School as trainees must submit the application for participation, and optionally for a travel grant.

A flat rate grant to cover all student expenses (flight, hosting, meals, ...) will be given to trainees from NESUS countries. The grant amount changes depending on the countries. School attendance is FREE.

All trainees will have an option of accommodation in dormitories which are in the proximity of the lecture rooms, and with an affordable rate (20 Euro/night). Contact data for dormitories can be found in this guide.

REGISTRATION:

Since the capacity of the venue is limited, registration requests will be processed on a first come first served basis. The registration period will be closed and the online registration facility disabled if the capacity of the venue is exhausted.

To apply for the Winter School as a trainee, please complete the registration form:

<https://nesusws.eventbrite.com>

GRANT AMOUNT PER COUNTRY

CLOSE COUNTRIES - Maximum planned funding per Trainee: 450 EUR

Countries: Bosnia and Herzegovina, Hungary, Italy, Serbia, Slovenia, Switzerland

MID-RANGE COUNTRIES - Maximum planned funding per Trainee: 500 EUR

Countries: Austria, Bulgaria, Czech Republic, FYR Macedonia, Greece, Montenegro, Romania, Republic of Moldova, Slovakia

FAR AWAY COUNTRIES - Maximum planned funding per Trainee: 550 EUR

Countries: Armenia, Belgium, Cyprus, Denmark, Estonia, Finland, France, Germany, Ireland, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Russia, Spain, Sweden, Turkey, Ukraine, United Kingdom

From other cities of CROATIA maximum planned funding per Trainee is 250 EUR.



NESUS Winter School & PhD Symposium 2018

LECTURERS

CALL FOR APPLICATIONS

NESUS Winter School seeks half-day tutorial proposals (every speaker will have max 4 hours for both lecture and a hand-on session), which should provide clear and focused teaching material covering new and emerging topics within the scope.

Topics include but are not limited to:

1. Data Science and Exascale Computing
2. Data Modelling and Simulation for Big Data
3. Big Data Analytics
4. Intelligent Methods and optimisation procedures
5. DataFlow computing for Big Data Scalable
6. Scalable data analysis (deep learning) framework(s)/libraries - practical examples (e.g. tensorflow, caffe)
7. Benchmarking deep learning workloads on different hardware/software/framework stacks

APPLICATION FORM

The tutorial proposal should describe concisely the content, importance, and timeliness of the tutorial (proposal should not exceed FOUR pages and it should be submitted all in one PDF file). It should contain the following sections:

1. Title of the tutorial.
2. Outline of the tutorial.
 - Program;
 - Hands-on labs (if needed). Please specify the infrastructure you need.
3. The tutorial speaker(s) and affiliation.
 - Where appropriate state the topics they will cover in the tutorial.
4. Brief CVs for each tutorial speaker
 - No more than 300 words per person.
5. Importance and timeliness of the tutorial, any relation with NESUS WGs.
6. Previous lecture and tutorial experience of the tutorial speaker(s).
 - (insert links to previous presentations if possible)

REGISTRATION

There are six open positions. The applications will be reviewed as they arrive. The call is open till October 30th, 2017 but the registration could be closed earlier if all the positions are exhausted. To apply for the Winter School as a lecturer, please complete the application form according to stated instructions and send it to email: **nesus-gh@nesus.eu**

The accepted lecturers will receive a flat rate grant to cover their expanses (flight, accommodation, daily expenses,...)



NESUS Winter School & PhD Symposium 2018

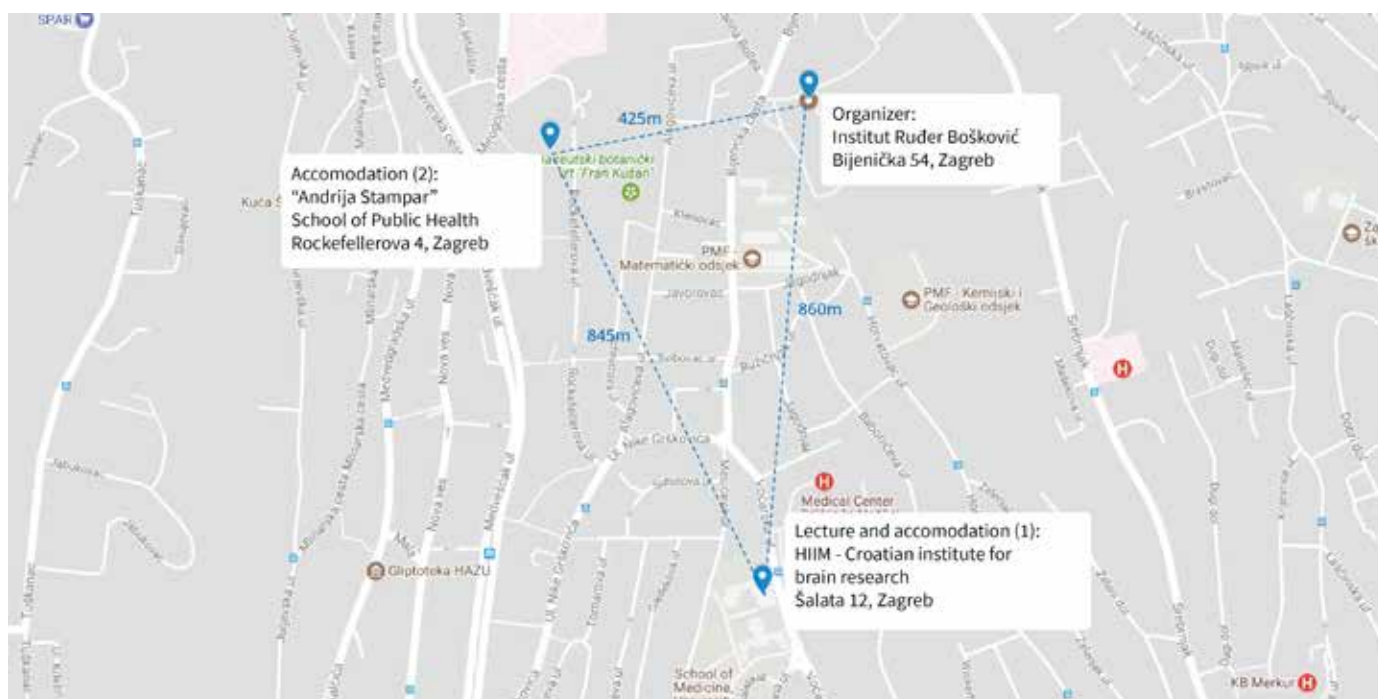
LOCATIONS

LECTURES

Winter school will run in serial for four days in Zagreb, Croatia at HIIM - Croatian institute for brain research in appropriate lecture rooms.



HIIM - Croatian institute for brain research, Šalata 12, 10 000 Zagreb, Croatia



ACCOMMODATION

ACCOMMODATION 1 - HIIM - CROATIAN INSTITUTE FOR BRAIN RESEARCH

Address: Šalata 12, 10000 Zagreb, Croatia
<http://www.hiim.hr>



RESERVATION

Travellers that wish to reserve a room should check the option for reservation on the general registration form (<https://nesusws.eventbrite.com>).

WORKING HOURS of dormitory paying office (working week): 7.30 - 11.00 h. in office 108 on the first floor

PRICES

Accommodation Type

Overnight per person in a double room

Overnight for only one person in a double room
 (according to personal request)

Overnight in the apartment

Price up to 10 days stay

150 kn (=20 EUR per person per night)

200 kn (=26 EUR per person per night)

400 kn (=53 EUR per person per night)

PAYMENT

The cost of the stay is charged according to the price list of the Faculty of Medicine, and payments are made through the HIIM Secretariat only with: **Cash - exclusively in kuna (HRK)**

NESUS Winter School & PhD Symposium 2018

ACCOMMODATION 2 - SCHOOL OF PUBLIC HEALTH “ANDRIJA STAMPAR”

Address: Rockefellerova 4, 10000 Zagreb, Croatia.

www.stampar.hr



RESERVATION

Travellers that wish to reserve a room should check the option for reservation on the general registration form (<https://nesusws.eventbrite.com>).

WORKING HOURS of dormitory paying office (working week): 08.30 to 14.00 in office 123 on the first floor.

PRICES

Accommodation Type

Overnight per person in a double room (two persons staying)

Overnight for only one person in a double room

Overnight Apartment 2+1 (single person staying)

Overnight Apartment 2+1 (two persons staying)

Overnight Apartment 2+1 (three persons staying)

Price up to 10 days stay

100 kn (=13 EUR per person per night)

150 kn (=26 EUR per person per night)

200 kn (=27 EUR per person per night)

125 kn (=17 EUR per person per night)

100 kn (=13 EUR per person per night)

PAYMENT

The cost of the stay is charged according to the price list of “Andrija Stampar”, University of Zagreb, and payments are made through the Secretariat only with: **Cash - exclusively in kuna (HRK)**

TRAVEL

GETTING AROUND



Zagreb International Airport
Address: Ulica Rudolfa Fizira 1
Phone: +385 60 32 03 20, Email: info@mzlj-zagreb-airport.hr
Web: www.zagreb-airport.hr

Zagreb International Airport is only 17 km from the centre, 20-25 minutes by car. To get from the airport to the designated locations there are several transportation option: Taxi, rent-a-car or local bus ride.

FROM THE AIRPORT TO THE CENTRE OR DESIGNATED LOCATIONS BY TAXI

Zagreb Airport Taxi
+385 98 967 84 24
info@taxi-zagreb.org

Radiotaxi Zagreb +385 1717
Start 10.00 kn (about 1.4 €)
Per km 6,00 kn
One Hour waiting 40.00 kn

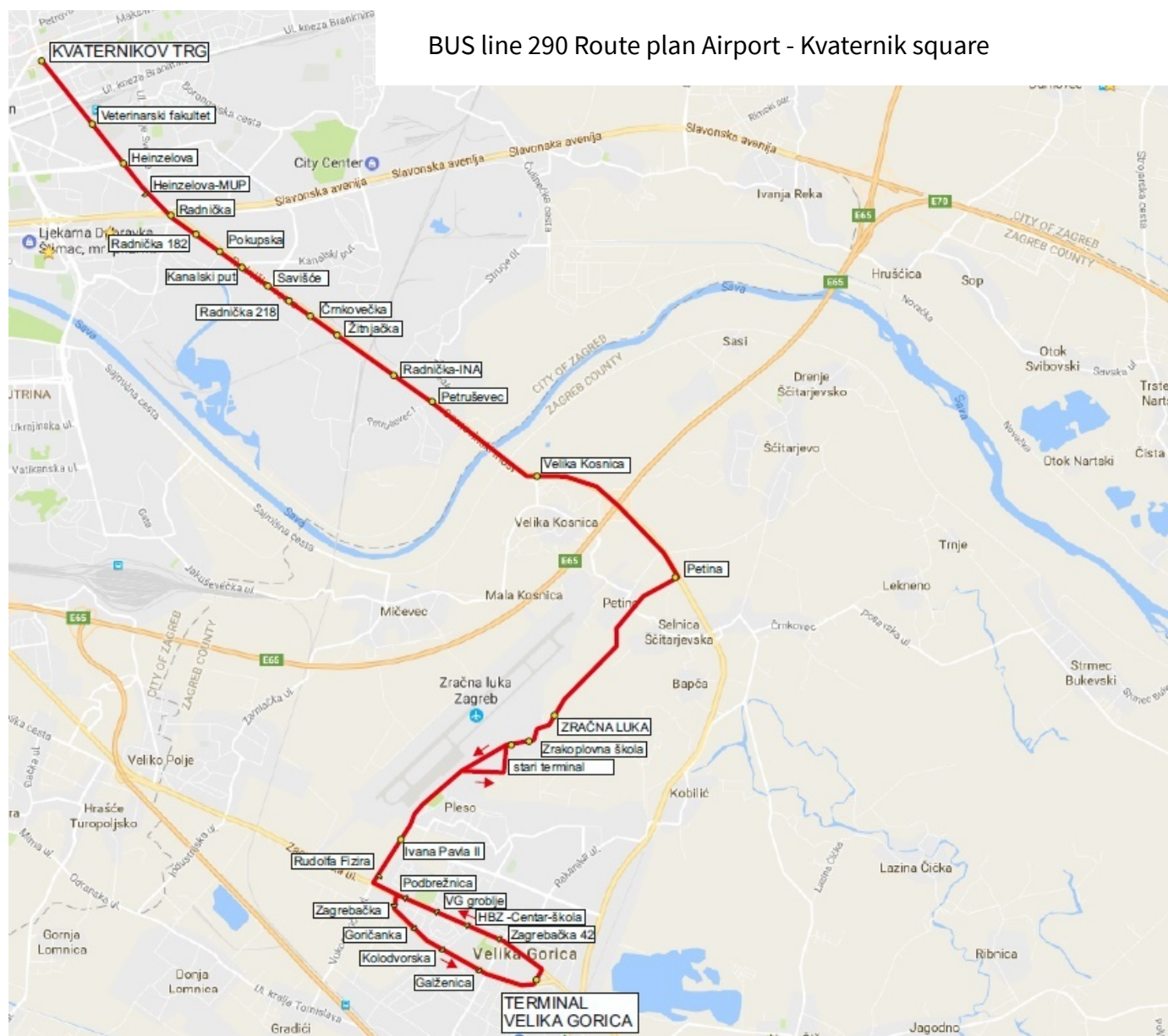
Eko taxi +385 1414
START 8,80 kn kn (about 1.2 €)
Per km 6,00 kn
One Hour waiting 43.00 kn

RENT-A-CAR AT THE AIRPORT

Active (http://activerent.hr/en/)	AutoRent (http://autorent.hr/en/)	Avis & Budget (https://www.avis.com.hr/)
Alamo (https://www.alamo.com)	Avant (http://www.avantcar.hr/en/)	Car-rental.hr

FROM THE AIRPORT TO THE CENTRE OR DESIGNATED LOCATIONS BY LOCAL BUS

Local bus line number 290 can take you to the Kvaternik square from where you can take a bus number 201 to Ruđer Bošković Institute. Both buses are local and stop on every bus stop. Bus line number 290 runs 19km and stops on 20 bus stops. Bus leaves every 35 minute.



From Ruđer Bošković Institute, you can walk to the dormitory at “Andrija Štampar” School of Public Health, School of Medicine, University of Zagreb. The bus stops in front of the Institute. You can also walk straight to HIIM or take one more bus stop and then walk. When getting back from HIIM to the dormitory on “Andrija Štampar”, there is an alternative, shorter walking route.



FROM THE BUS TO THE CENTRE OR DESIGNATED LOCATIONS BY LOCAL BUS

Information on departures and arrivals at Zagreb Bus Station: tel. +385 1 60 31 33 33

Information and reservation only from abroad: tel. +385 1 61 12 789

Left-luggage Office (0-24): 5kn/h (for the first 4 hours), every additional hour 2.50kn

From Zagreb Bus Station you can take the local Tram to the center, Ban Josip Jelačić square. Near the square you will find the bus stations that can take you near HLM and "Andrija Stampar". The electric tram network regulated by ZET (Zagrebački električki tramvaj) is the best mean of public transport in Zagreb. Buses are mostly used through northern, hilly part of Zagreb, and for connecting outskirts with the center of the city.

Download TRAM map (PDF)

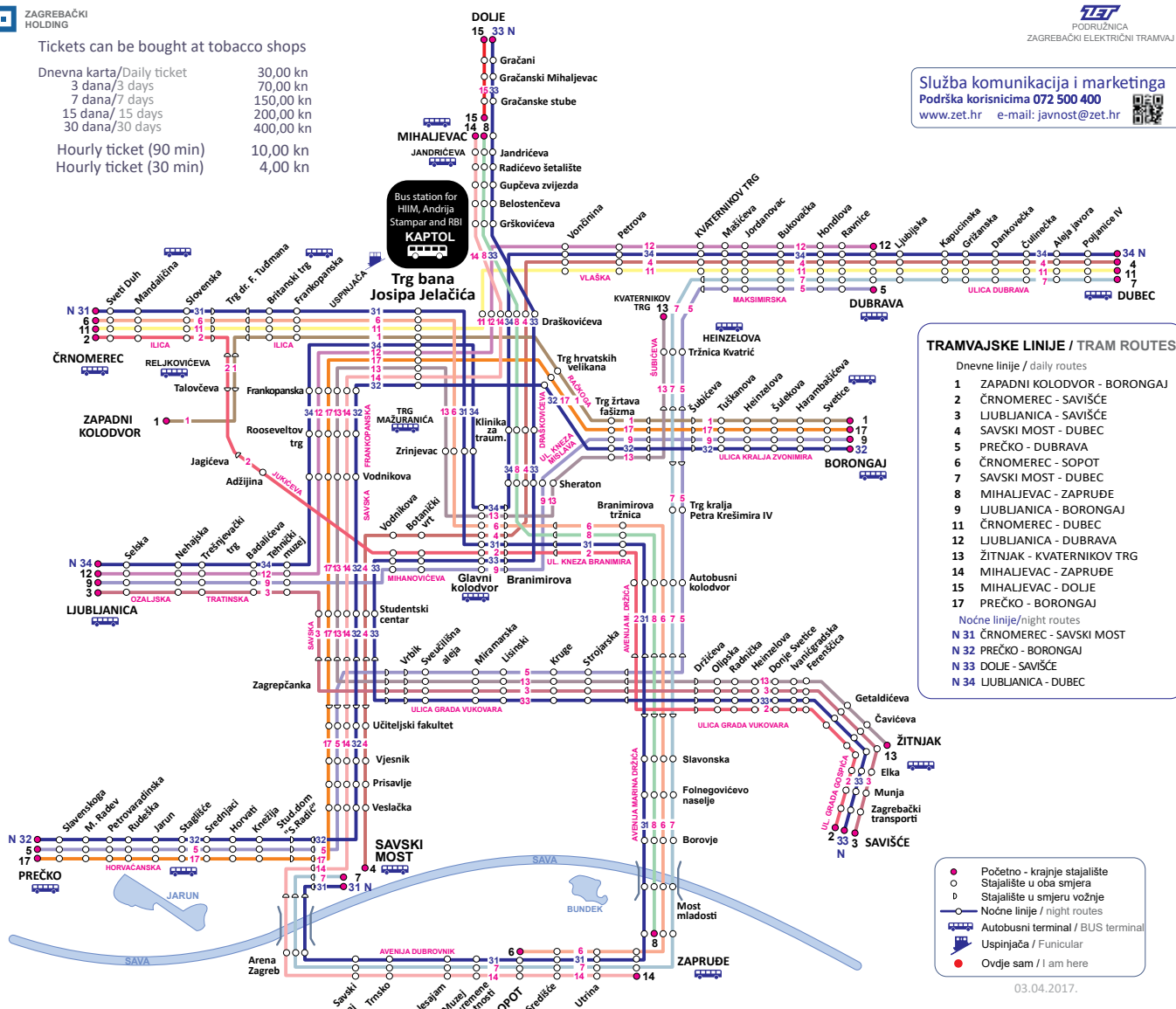
MREŽA TRAMVAJSKIH LINIJA / REGULAR TRAM SERVICES



Tickets can be bought at tobacco shops

Dnevna karta/Daily ticket	30,00 kn
3 dana/3 days	70,00 kn
7 dana/7 days	150,00 kn
15 dana/15 days	200,00 kn
30 dana/30 days	400,00 kn
Hourly ticket (90 min)	10,00 kn
Hourly ticket (30 min)	4,00 kn

Služba komunikacija i marketinga
Podrška korisnicima 072 500 400
www.zet.hr e-mail: javnost@zet.hr



LINIJJE 1, 3 I 8 NE PROMETUJU SUBOTOM, NEDJELJOM I BLAGDANOM
ROUTES 1, 3 AND 8 DO NOT OPERATE ON SATURDAY, SUNDAY OR PUBLIC HOLIDAYS

03.04.2017.

CURRENCY AND EXCHANGE RATE

Croatian currency unit is the Croatian Kuna (KN or HRK). Nominal values are:

COINS - 1, 2, 5, 10, 20, 50 lipa; 1, 2, 5 kuna.

NOTES - 10, 20, 50, 100, 200, 500, 1000 kuna. 1 kuna = 100 lipas

Domestic currency up to the value of KN 2000 can be exported.

Foreign currencies can be imported and exported freely

For the current exchange rates please check: www.hnb.hr

IMPORTANT PHONE NUMBERS

112 Emergency number

192 Police

193 Fire Brigade

194 Ambulance

18981 General Information

11888 Telephone Numbers of Local Subscribers

MOBILE OPERATORS

T-mobile (prepaid, postpaid)

Vip (prepaid, postpaid)

Tele2 (prepaid, postpaid)

Tomato (cheep prepaid)

BonBon (cheep prepaid)

OPENING HOURS

Banks: 07.30-20.00 Monday to Friday, 08.00-12.00 Saturday

Shops: 08.00-20.00 Monday to Friday, 08.00-14.00 Saturday

Shopping centers: 10.00 - 22.00 Monday to Sunday

CONTACT

prof. Karolj Skala, skala@irb.hr, +385 98 209 816