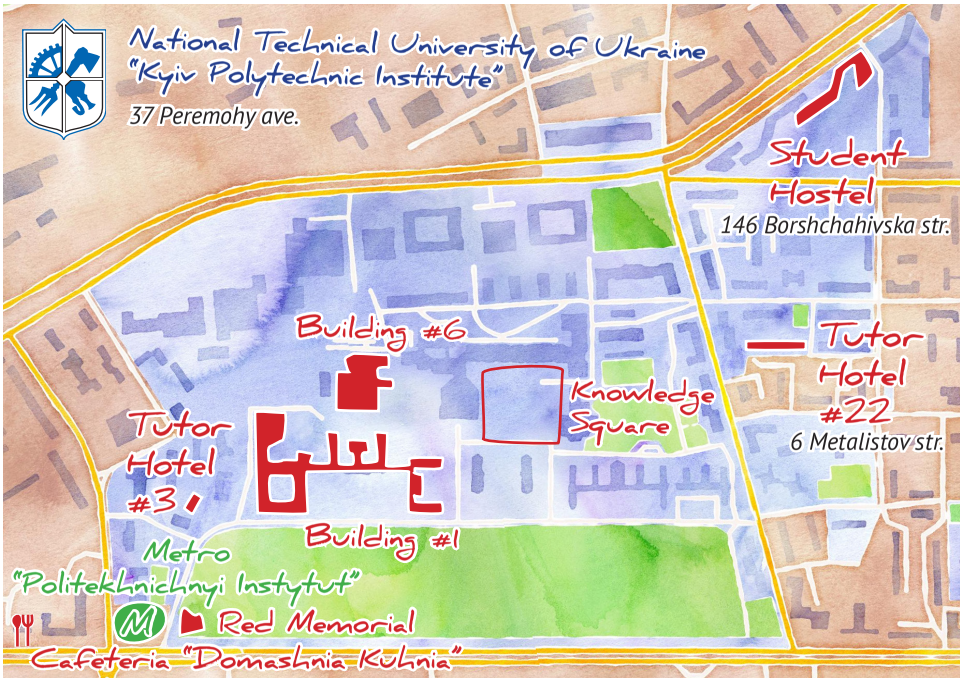


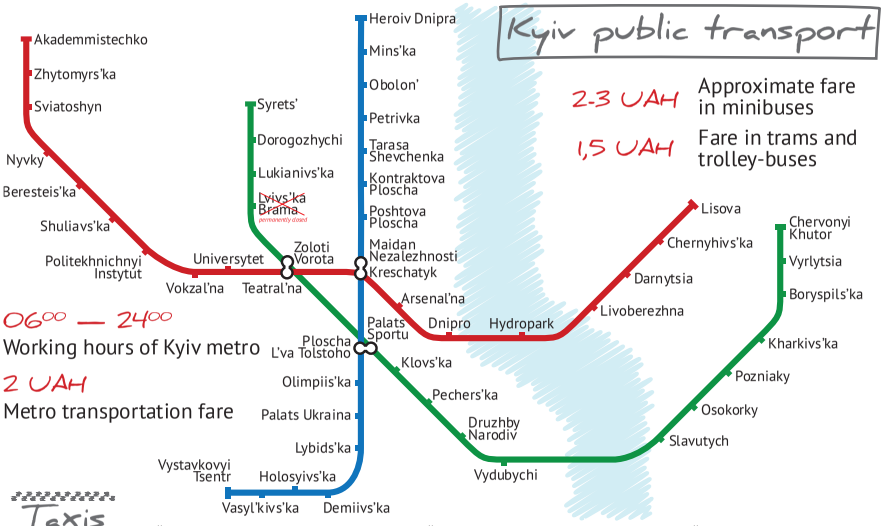
VII SUMMER SCHOOL

Achievements and Applications of Contemporary Informatics, Mathematics and Physics

August 3–16, 2012
NTUU "KPI", Kyiv, Ukraine

http://summerschool.ssa.org.ua

Kyiv public transport



2-3 UAH — Approximate fare in minibuses

1,5 UAH — Fare in trams and trolley-buses

06⁰⁰ — 24⁰⁰
Working hours of Kyiv metro

2 UAH
Metro transportation fare

Taxis

	"Alpha-taxi"	"Nazari"	"Meteor"
☎	+ 38 044 535 71 54	+ 38 044 535 77 77	+ 38 044 393 73 93
life:)	+ 38 093 406 67 67	+ 38 093 329 68 68	+ 38 093 639 33 33
	+ 38 050 705 75 85	+ 38 095 494 68 68	+ 38 066 320 33 33
★	+ 38 067 233 63 65	+ 38 067 208 68 68	+ 38 098 619 33 33

Useful information

Internet Access

Location	Wi Fi Network	Password
Lounge	apr1-ntsa	bui1zYxelAP
	AP-DNVR	Rjhgec!_dnvr
WDC	wdc-office2	caa2b0f7
Rooms 40/x	ipo2	ipokpiua
Room 258	uiite	uiitekpiua
Student Hostel	KPI-Telecom/Profik-2	7yKw15tdQp
Hotel #3	KPI-Telecom APHotel	@NTU-KPI25Hotel
Hotel #22	KPI-Telecom/22H-Hotel-2	cTvtq4rf

Electricity network

Voltage is 220 V; frequency 50 Hz.
All sockets follow European standarts.

Emergency Phones

- 101 Fire service
- 102 Police
- 103 Ambulance service
- 109 Enquiry service
- 123 Information about companies, goods, services, rate of exchange

Time zone

Summer (DST) EEST (UTC+3)

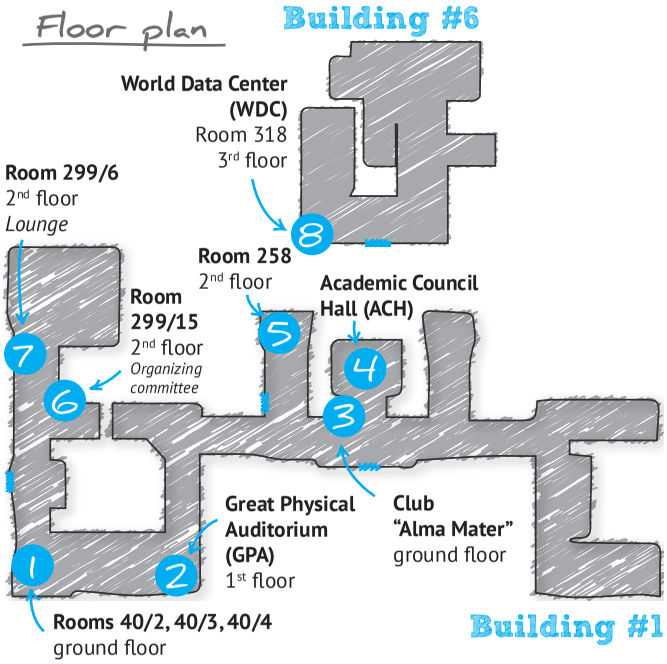
Currency

National currency — Hryvnia (UAH)
1 EUR ~ 10 UAH; 1 USD ~ 8 UAH

Working time

Most of organizations and shops have a lunch break at 13:00-14:00

Floor plan

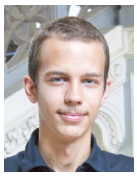




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Responsibles



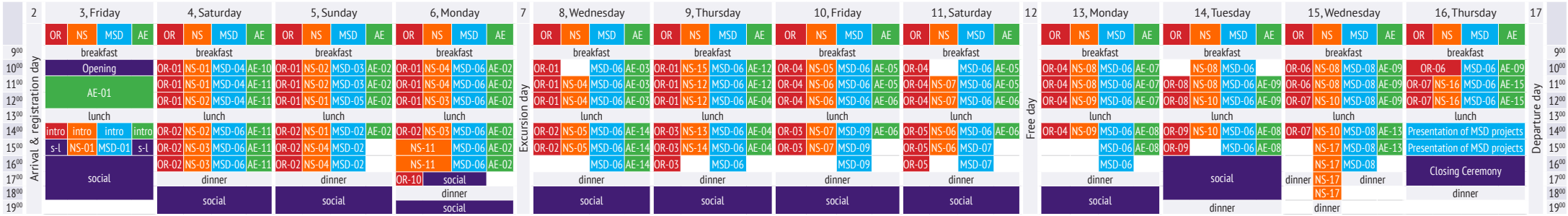
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Student Science Association

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Tel. +38 097 628 63 54

summerschool@ssa.org.ua



aud. 40/4 Operational Research

- OR-01 *Konstantin Tretyakov.* Introduction to Data Mining *(practice@258)*
- OR-02 *Wilhelm-Gerhard Weber.* Financial Mathematics and Related Aspects of Environment, Education and Development
- OR-03 *Anna Leontieva.* Introduction to Time Series Analysis and Forecasting *(practice@258)*
- OR-04 *Erik Kropat.* Humanitarian Operations Research
- OR-05 *Oleg Prokopyev.* Introduction to Integer Programming
- OR-06 *Alexander Makarenko.* Concepts and Mathematical Models of Consciousness
- OR-07 *Igor Kozin.* Principle of Symmetry and Decision-Making Problem
- OR-08 *Boris Goldengorin.* Combinatorial Optimisation
- OR-09 *Michael Tso.* OR in Context: Pages from a Consultant's Casebook
- OR-10 *Wilhelm-Gerhard Weber.* EURO - Opportunities

Streams & courses

aud. 40/3 Neuroscience

- NS-01 *Evgenia Belova.* The Neurotransmitter Systems of the Brain and Their Function
- NS-02 *Alexander A. Frolov.* Brain-Computer Interface. Technology and Its Applications
- NS-03 *Nikolai Kononenko.* Circadian Clock in Mammals: Electrical Activity and Its Synchronization
- NS-04 *John Rinzel.* From Cellular Neurophysiology to Nonlinear Neural Network and Oscillations
- NS-05 *Ruben Tikidji-Hamburyan.* Amazing Auditory System
- NS-06 *Witali Dunin-Barkowski.* Elements of Theory for Multi-Neuronal Systems
- NS-07 *Gennady S. Cymbalyuk.* Dynamical Principles of Rhythm Generation
- NS-08 *Péter Érdi.* From Multicompartment Models to Computational Psychiatry
- NS-09 *Ruben Tikidji-Hamburyan.* Nervous System from Oscillatory Point of View
- NS-10 *Anton Chizhov.* Neuron-Computer Interface in Dynamic-Clamp Experiments
- NS-11 *Dmitry V. Nowicki.* Models of Associative Memory: Consolidation, Reconsolidation, and Synaptic Plasticity *@40/4*
- NS-12 *Nana Voitenko.* Molecular Mechanisms of Pain *@BIPh*
- NS-13 *Pavel Belan.* Fluorescent Proteins in Current Biology *@BIPh*
- NS-14 *Elena Saftenku.* Analysis of Calcium Regulatory Networks In Neurons *@BIPh*
- NS-15 Visit to O.O. Bohomoletz Institute of Physiology NSAU *@BIPh*
- NS-16 Open Questions in Neuroscience *@40/4*
- NS-17 Practical activity with Neuron, Genesis and XPP *@258*

WDC Mobile Software Development

- MSD-01 *Vasiliy Savin.* Agile Project Management
- MSD-02 *Vasiliy Savin.* Tools for Development
- MSD-03 *Ivan Milles.* Jasmine, JS Unit Test
- MSD-04 *Ivan Milles, Vasilij Savin.* Mobile Web Development
- MSD-05 *Alexej Leonov.* User Interface Design and Prototyping
- MSD-06 *Bogdan Kyryliuk.* Development Process
- MSD-07 *Michal Vojkůvka.* Intermediate Release Presentation
- MSD-08 *Maryna Didkovska.* Presentation Workshop
- MSD-09 Excursion to EPAM *@EPAM*

↑ SCHEDULE

aud. 40/2 Advanced Energy

- AE-01 *Valery Pugatch.* Discovery Tools at the Large Hadron Collider *@ACH*
- AE-02 *Jan Haverkamp.* The Germany Nuclear Phase-Out Decision
- AE-03 *Volodymyr Voloshchuk.* Heat Pump Technologies
- AE-04 *Sergii Khairnasov.* Introduction to Solar Energy
- AE-05 *Vira Bondar.* Nuclear Energy and Medicine
- AE-06 *Ruyta Kasada.* Fusion Energy
- AE-07 *Michel Chouha.* Nuclear Energy Challenges in the 21st Century
- AE-08 *Yoshio Matsuki.* Comparative Economic Assessment of Various Energy Systems
- AE-09 *Manfred Daum.* Energy and Mass
- AE-10 *Volodymyr Voloshchuk.* Review of Energy Sector
- AE-11 *Volodymyr Voloshchuk.* Review of Thermal Engineering
- AE-12 *Johann Harter.* Photovoltaics — a Solution to Slow Down Global Warming
- AE-13 *Olena Mykal.* Sustainability at Siemens
- AE-14 Excursion to the Institute of Hydromechanics *@IHM*
- AE-15 *To be announced later*

Guidelines for participants

- ✓ Attending lectures is obligatory for receiving a certificate of the participation in Summer School (at least 80 % of lectures should be attended).
- ✓ Participation in social events is not strictly required.
- ✓ Be punctual! Do not be late for lectures and events of AACIMP.
- ✓ Feel free to contact organazing committee for additional information.
- ✓ The badge serves as the admission to lectures, social events and places of residence.

Social program

Day	Time	Action	Meeting place
3, Fri	16^{00}	Welcome Party	Building #1, "Alma Mater"
4, Sat	18^{00}	Kiev City Tour 1	Red Memorial
5, Sun	18^{00}	KPI Quest	The Knowledge Square
6, Mon	19^{00}	Board Games Evening	Building #1, aud. 40/4
7, Tue	10^{00}	Excursion to Pereyaslav-Khmelnitsky	Building #1, entrance hall
8, Wed	18^{00}	Step by Step into the Computational Neuroscience History (John Rinzel)	Building #1, entrance hall
9, Thu	18^{00}	Kiev City Tour 2	Red Memorial
10, Fri	18^{00}	Step by Step into the Computational Neuroscience History (Witali Dunin-Barkowski) / Pinchuk Art Centre	Building #1, entrance hall / Red Memorial
11, Sat	18^{00}	Kiev Photo Quest	Red Memorial
12, Sun	10^{00}	Football Champ — Training	Building #1, entrance hall
13, Mon	18^{00}	River Tour Along Dnipro River	Building #1, entrance hall
14, Tue	16^{00}	Football Champ	Building #1, entrance hall
15, Wed	18^{00}	Cinema Club	Building #1, aud. 40/4
16, Thu	16^{00}	Closing Ceremony	Building #1, "Alma Mater"

- ✓ Daily (except Sunday) from 9:30 to 18:00 participants and tutors may visit the Lounge (299/6, Building 1), where they can find free access to Wi-Fi, water and tea.
- ✓ Participants, who live in hostels, have to follow rules of the campus (entrance is permitted till 23:00 and guest visits till 22:00).
- ✓ According to Ukrainian law it is forbidden to smoke and drink alcohol in public places.
- ✓ In case of any damage caused to the property of NTUU "KPI" reimbursement of such damages is accomplished at the expense of a person, who had caused that damage.
- ✓ Organizing Committee is not responsible for any injury, loss of expensive things, documents or unpredicted expenses incurred during Summer School.