

MOBILITY SEMESTER UNIVERSITY OF LJUBLJANA

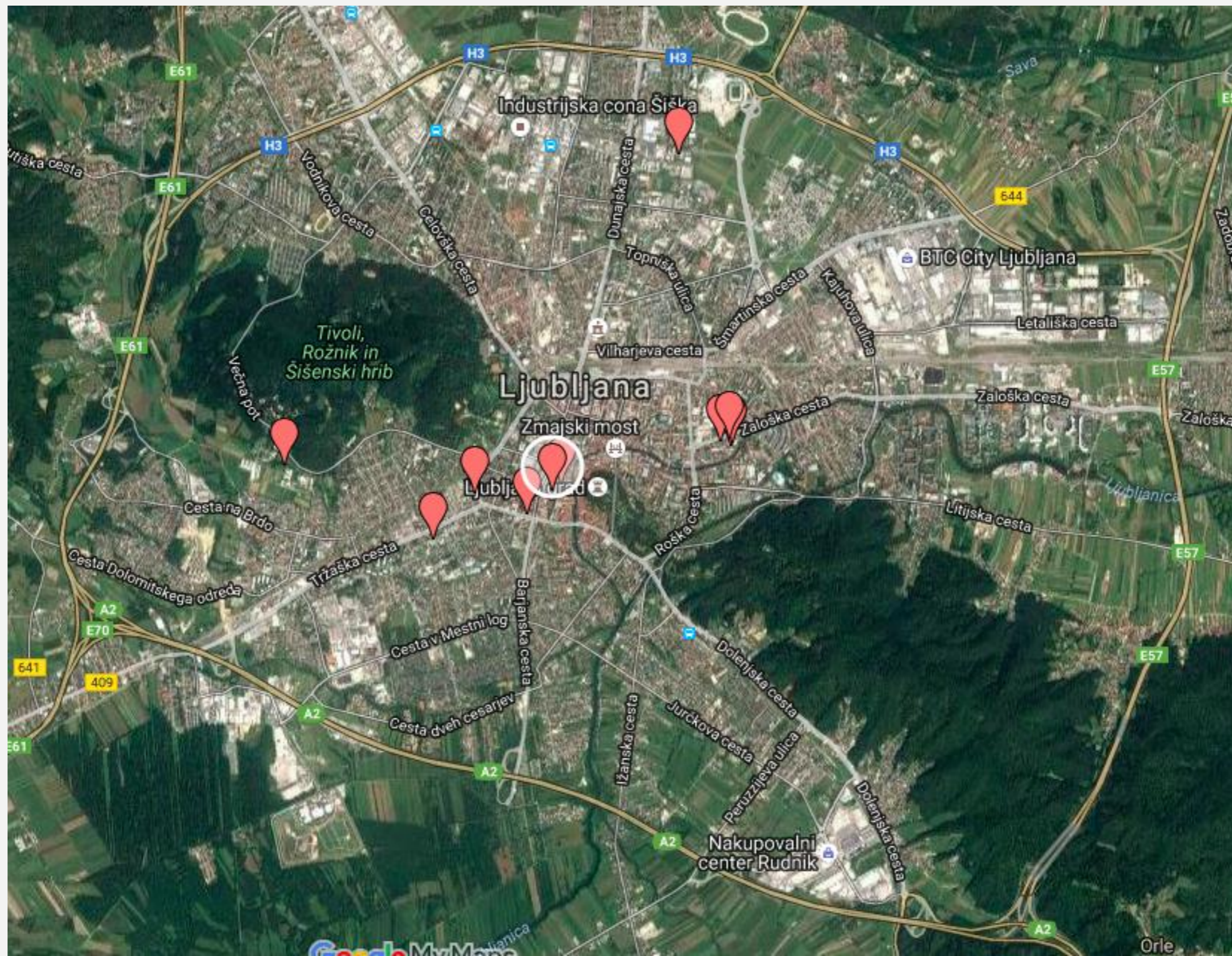


Univerza v Ljubljani



MEi
Cog
Sci Middle European
interdisciplinary
master's programme in
Cognitive Science

SOME OF LJUBLJANA'S COGSCI STUDY VENUES





VEGOVA OBSERVATORY ZVEZDARNA



Metoda

- Ekspozicija: Ekspozicija 25 solivkov v bolonem ozračju
- Merilo: skupina 19 različnih solivkov
- Test: Določa Barbov vprašnik za odčitavanje korlevalov (Della Barba, 1993)
- Postopek:
 - dve spravevalca in ocenjevalca odgovorov
 - pregledni z solivkanci so se opravi, in so bili
 - transkribirane
 - ocenjevanje odgovorov v skladu z navodili spravevalca

TRENDS IN COGNITIVE SCIENCE

- Toma Strle, Jaša Černe
- Topic: neurophenomenology
- Structure: lectures, collaborative work on the seminar topic, journal club

ELECTIVES 20/21

- Seminars in clinical neuroscience (5 ECTS)
 - Zvezdan Pirtošek and colleagues
- Psychological theories of rationality (5 ECTS)
 - Borut Trpin
- Decision-making: perspectives and contexts (5 ECTS)
 - Toma Strle, Jaša Černe
- Courses at other faculties: http://www.pef.uni-lj.si/kognitivna/meicogsciprogramme_mobility.html

MOBILITY PROJECTS

- Specific topics/projects will also be dependent upon ongoing projects in the labs during the upcoming exchange semester.
- Possible covid-19-related limitations
- Research coordinator: Anka Slana Ozimič,
anka.slana@psy.ff.uni-lj.si

COGNITIVE NEUROSCIENCE & PSYCHOLOGY

- **Mind and Brain Lab**, Department of Psychology, Faculty of Arts
 - <http://psy.ff.uni-lj.si/mblab/en>
 - Grega Repovš, Anka Slana Ozimič ...
 - Contact: anka.slana@psy.ff.uni-lj.si
- Multimodal study of working memory and cognitive control employing EEG, fMRI, eye-tracking, behavioral studies.
- Brain connectivity studies: the project involves data collection, development of tools for fMRI and EEG functional connectivity analyses and their application to existing and novel datasets.

COGNITIVE NEUROSCIENCE & NEUROLOGY

- **Laboratory for Cognitive Neuroscience**, University Medical Centre Ljubljana, Department of Neurology & University Psychiatric Clinic Ljubljana
 - <http://www.kobz.si/en/LCN.php>
 - Jure Bon, Zvezdan Pirtošek
 - Contacts: anka.slana@psy.ff.uni-lj.si, jure.bon@gmail.com (for TMS)
 - Studying cognition with TMS (TMS Lab) & EEG (EEG Lab)
 - Neurological and neuropsychiatric disorders such as dementia, Parkinson's disease, Tourette's Syndrome, depression, schizophrenia

COGNITIVE NEUROSCIENCE & NEUROLOGY

- **Laboratory for Clinical Neuroscience**, University Medical Centre Ljubljana, Department of Neurology
 - Dejan Georgiev, dejan.georgiev@kclj.si
 - Predictors of deep brain stimulation in movement disorders patients
 - Bradykinesia/ Tachykinesia
 - Effect of neurotransmitters in gait and posture in Parkinson's disease
 - Specific topics/projects are dependent upon ongoing projects in the labs during the exchange semester.

COGNITIVE NEUROSCIENCE & NEUROLOGY

- University Medical Centre Ljubljana, Department of Neurology
 - Katarina Marjanovič, katarina.marjanovic@kclj.si
 - Exploring eye movement alterations and its diagnostic value in patients with Alzheimer Disease

NEUROLINGUISTICS

- **Department of Comparative and General Linguistics,**
Faculty of Arts,
 - Christina Manouilidou, christina.manouilidou@ff.uni-lj.si
 - Language processing in healthy and brain-damaged populations

PSYCHOLOGY

- **Department of Psychology, Faculty of Arts**
 - Anja Podlesek / Luka Komidar
 - Contact: anja.podlesek@ff.uni-lj.si
 - Factors of performance in cognitive tests for measuring executive functions
 - Investigation of changes in cognitive test performance during cognitive training
 - Development of an interactive cognitive training for the elderly (in collaboration with Andrej Košir, LUCAMI lab, Faculty of Electrical Engineering)

EMPIRICAL PHENOMENOLOGY

- **Observatory: Laboratory for empirical phenomenology**, Center for Cognitive Science, Faculty of Education
 - <http://observatory.pef.uni-lj.si>
 - Urban Kordeš
 - Contact: jasa.cerne@pef.uni-lj.si
 - Toma Strle, toma.strle@pef.uni-lj.si: The experience of choice in everyday life

PHILOSOPHY

- **Department of philosophy, Faculty of Arts,**
 - Olga Markič, olga.markic@ff.uni-lj.si
 - Autonomy: philosophical analysis and challenges to autonomy from new cognitive technologies
 - Cognitive science in the world of sport
- **Center for Cognitive Science, Faculty of Education**
 - Toma Strle, toma.strle@pef.uni-lj.si
 - Decision-making; circularities of the mind

PHILOSOPHY

- **Department of philosophy, Faculty of Arts**
 - Sebastjan Vörös, sebastjan.voros@ff.uni-lj.si
 - Francisco Varela's work on life, mind, and consciousness
- **Department of Philosophy & LMU München, Faculty of Arts,**
 - Borut Trpin (borut.trpin@gmail.com)
 - Computational philosophy

COMPUTER SCIENCE, AI

- **Artificial Intelligence Lab**, Faculty of Computer and Information Science
 - Ivan Bratko, ivan.bratko@fri.uni-lj.si
 - Explainable Machine Learning, explainable Machine Problem-Solving
- **Laboratory for Cognitive Modeling**, Faculty of Computer and Information Science,
 - Marko Robnik Šikonja, robniksikonja@fri.uni-lj.si
 - Machine learning and natural language processing

OTHER POSSIBLE PROJECT SUPERVISORS AND TOPICS

- Gregor Geršak, Lab for Metrology, Faculty of Electrical Engineering, : measuring psychophysiological data ... (gregor.gersak@fe.uni-lj.si)
- Janez Demšar, Bioinformatics Laboratory, Faculty of Computer and Information Science: machine learning, data mining ... (Orange) (janez.demsar@fri.uni-lj.si)
- Maja Malec, Faculty of Arts, Department of philosophy: philosophy of mind (maja.malec@ff.uni-lj.si)
- If you do not find a topic of interest, you can contact Anka Slana Ozimič (anka.slana@psy.ff.uni-lj.si) for more possibilities (e. g., gait and cognition, psychedelics, music perception, natural language processing, user experience, virtual reality, etc.).

FURTHER INFO

- Info page for mobility students: http://www.pef.uni-lj.si/kognitivna/meicogsciprogramme_mobility.html
- Research projects coordinator: Anka Slana Ozimič, anka.slana@psy.ff.uni-lj.si
- Erasmus+ coordinator: Igor Repac, International office of the Faculty of Education, mednarodna@pef.uni-lj.si,
- Contact Toma Strle for other matters, toma.strle@pef.uni-lj.si