www.fri.uni-lj.si/en | doctoral.studies@fri.uni-lj.si | +386 1 479 8123

Prospective Student Day

Doctoral Study Programme Computer and Information Science

University *of Ljubljana*
Faculty *of Computer and Information Science*



Why Become a Doctoral Student at FRI?

Our Successful Doctoral Students

University of Ljubljana
Faculty of Computer and Information Science

Asst. Prof. dr. Marinka Žitnik, 2015
Harvard University

dr. Nejc Škoberne, 2013
CEO & Co-founder of Genialis

dr. Mitja Trampuš, 2015
Google

dr. Miha Štajdohar, 2012
CTO & Co-founder of Genialis

dr. Jure Žbontar, 2016
Facebook



University of Ljubljana
Faculty of Computer and Information Science

Modern Facilities

12 Computer Classrooms
19 Reseach Laboratories



Research

University of Ljubljana
Faculty of Computer and Information Science

- Systems and networks
- Machine perception and multimedia
- Computational biology
- Software engineering and informatics
- Machine learning and artificial intelligence
- Theoretical computer science and mathematical methods

19
Laboratories

45
Mentors

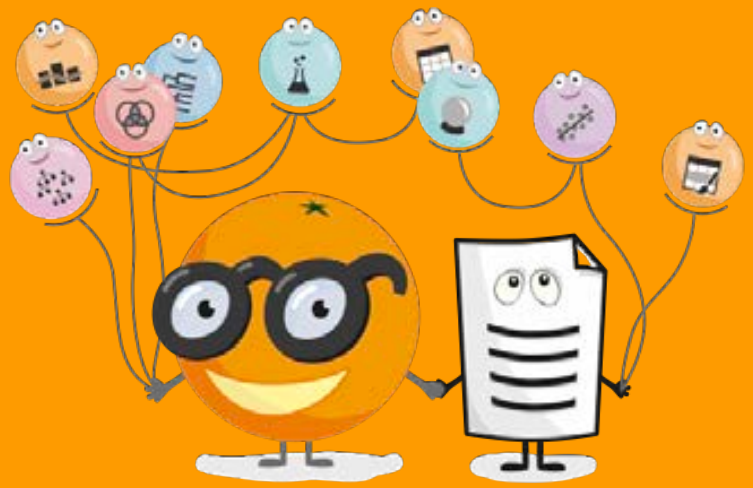
https://fri.uni-lj.si/en/mentors

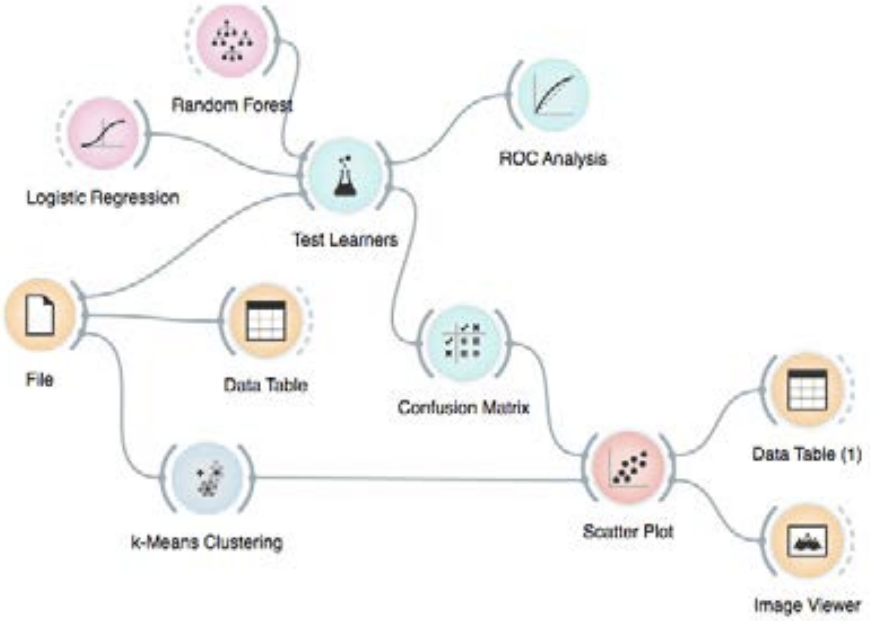
Orange Data Mining

http://orange.biolab.si

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- **20,000** monthly downloads
- **12,800** Youtube subscribers
- **1,400,000** views on Youtube



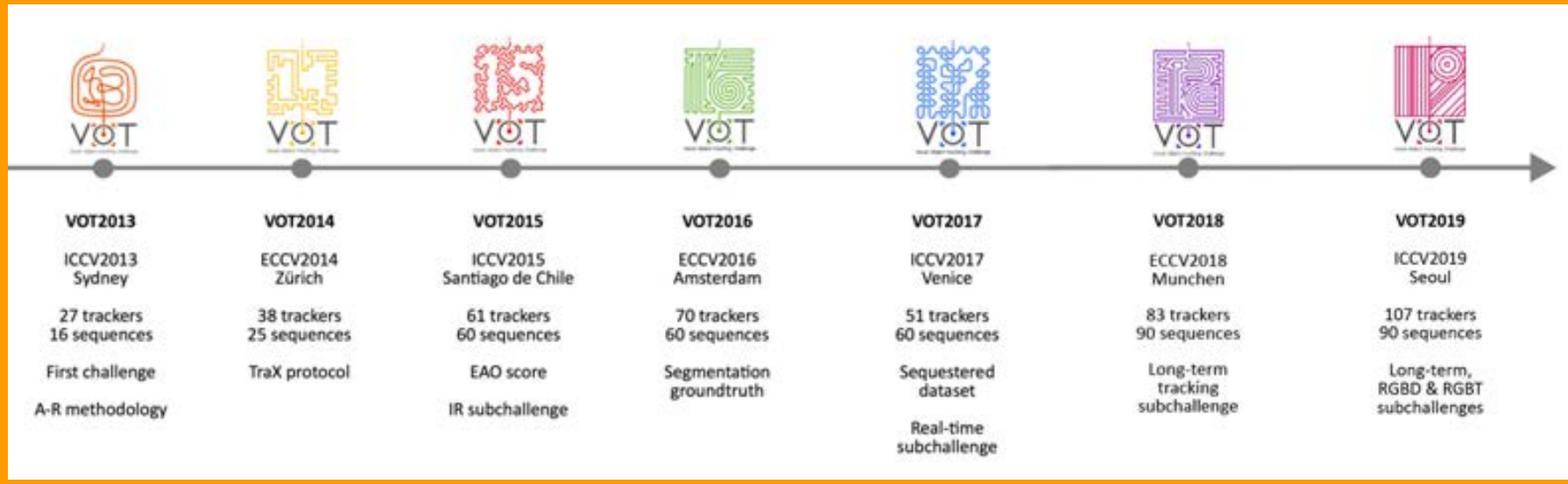


VOT – Visual Object Tracking initiative

University of Ljubljana
Faculty of Computer and Information Science

http://www.votchallenge.net

- **Workshop papers**
  183 authors
- **Github**
  330 stars
- **Mailing list**
  320 subscribers
- **Citations**
  1100





University of Ljubljana
Faculty of Computer and Information Science

Study Programme

1st Year



2nd Year



3rd Year



4th Year



Elective Courses

University of Ljubljana
Faculty of Computer and Information Science

2020/2021

- Information System Integration Methods
- Advanced Algorithms for Search and Planning
- Machine Learning for Natural Language Processing
- Deep Learning for Computer Vision
- Selected Topics in Analysis of Sound Signals
- Selected Topics from Computer Graphics and Visualization
- Security Studies and Ethical Hacking

2021/2022

- Incremental Learning from Data Streams
- Mathematics for Machine Learning
- Modern Cryptography and Computer Security
- Predictive Analytics for Structured Data
- Advanced Topics in Network Science
- Contemporary Approaches to Algorithm Design
- Heterogeneous Computing Platforms
- Approximate Arithmetic for Media Processing and (C)NNs

International Collaborations

University of Ljubljana
Faculty of Computer and Information Science

Collaborations with world-renowned institutions:

- **Joint Research Centre of European Commission (Italy)** – doctoral partnership on cybersecurity and biometrics;
- **The European Organization for Nuclear Research – CERN (Switzerland);**
- **Chinese Academy of Sciences (China)** – joint Chinese-Slovenian virtual laboratory for high performance computing;
- **Kyungpook National University (South Korea)** – joint research in computer vision and wireless computing and a double degree study;
- **University College London (UK)** – joint research in bioinformatics and mobile computing;
- **Baylor College of Medicine (USA)** – joint research in bioinformatics;
- **University of Birmingham (UK)** – joint research in computer vision and robotics;
- **Czech Technical University in Prague (Czech republic)** – joint research in computer vision;
- **Alpe-Adria University Klagenfurt (Austria)** – joint research in computer compilers and algorithmics;
- **University of Belgrade (Serbia)** – joint research in sport statistics and computational linguistics.

Internal fund for research and study visits abroad!



182

Total number of collaborating institutions


Open to
Foreign Students

University of Ljubljana
Faculty of Computer and Information Science



About Slovenia

Slovenia is one of the greenest European countries. Mediterranean Coast, snowy mountain tops of Julian Alps or thermal spa resorts in the Eastern part, famous for its wines, are all just an hour's drive from Ljubljana, the lively and picturesque capital of Slovenia.

Study in Ljubljana, discover Slovenia

Student Life in Ljubljana

- Peaceful and safe city
- Low living costs:
  - 400–500€/month
  - Subsidized lunch, transportation
  - Dorms for exchange students
- Tech events for students



How to Apply for the Doctoral Programme?

University of Ljubljana
Faculty of Computer and Information Science

Apply Online

Apply at eVŠ Portal
http://portal.evs.gov.si/prijava

Master or pre-bologna equivalent study programme

Application Deadline

1 June 2020
Enrolment in September 2020

Application Enclosures

- a well-structured CV
- a certified copy of your bachelor or master's degree
- a GPA certificate of exams and tutorials
- a motivation letter
- 2 recommendation letters
- mentor(s) preference
  https://fri.uni-lj.si/en/mentors

Tuition Fees

4200 € for 1st and 2nd year

3000 € for 3rd and 4th year

Contact

Student Affairs

E: doctoral.studies@fri.uni-lj.si
T: +386 1 479 8123

Assistance to International Students by International Office

University of Ljubljana
Faculty of Computer and Information Science

Assistance in applying for:

- study programme online via eVŠ platform
- visa, residence permit
- scholarship of Slovenian Scholarship Fund
- JRC call

Advising on:

- documentation for recognition of education
- finding an apartment in Ljubljana
- basic information about living in Slovenia

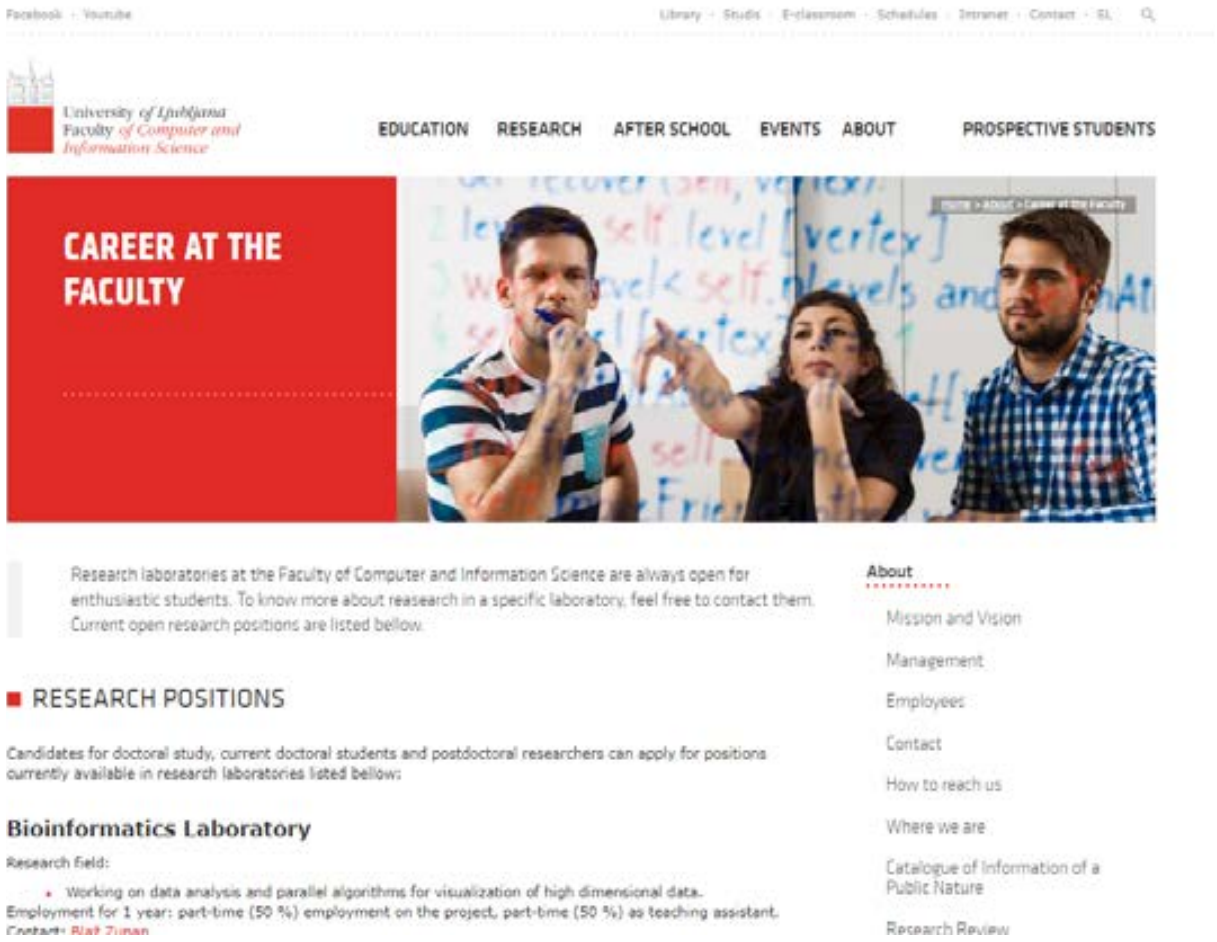
Contant Information

Ms. Vesna Gračner
E: international.office@fri.uni-lj.si
T: +386 1 479 8249

Open Positions and Scholarships

https://fri.uni-lj.si/en/career-faculty

- Researcher positions
- Junior researchers
- Teaching assistants
- Slovene Human Resources and Scholarship Fund



Joint Research Centre (JRC)

University of Ljubljana
Faculty of Computer and Information Science

European Commission, DG Joint Research Centre, Directorate E - Space, Security and Migration.
Unit E.3 - Cyber & Digital Citizens' Security, Via Enrico Fermi 2749, 21027 Ispra (VA), ITALY

JRC employs over 2700 researchers. The JRC Ispra unit employs 42 researchers in three groups that cover cyber security, transport security and law enforcement technology. Research for EU strategy and policy advisors. Researcher position, five-year fixed contract, 2 years employed at FRI, 1–3 years employed at JRC. Doctoral supervision by advisor from FRI and co-advisor from JRC.

Machine learning for user profiling and anomaly detection from sensory and wireless data in the smart environment

Contact: **Veljko Pejović** (Veljko.Pejovic@fri.uni-lj.si)

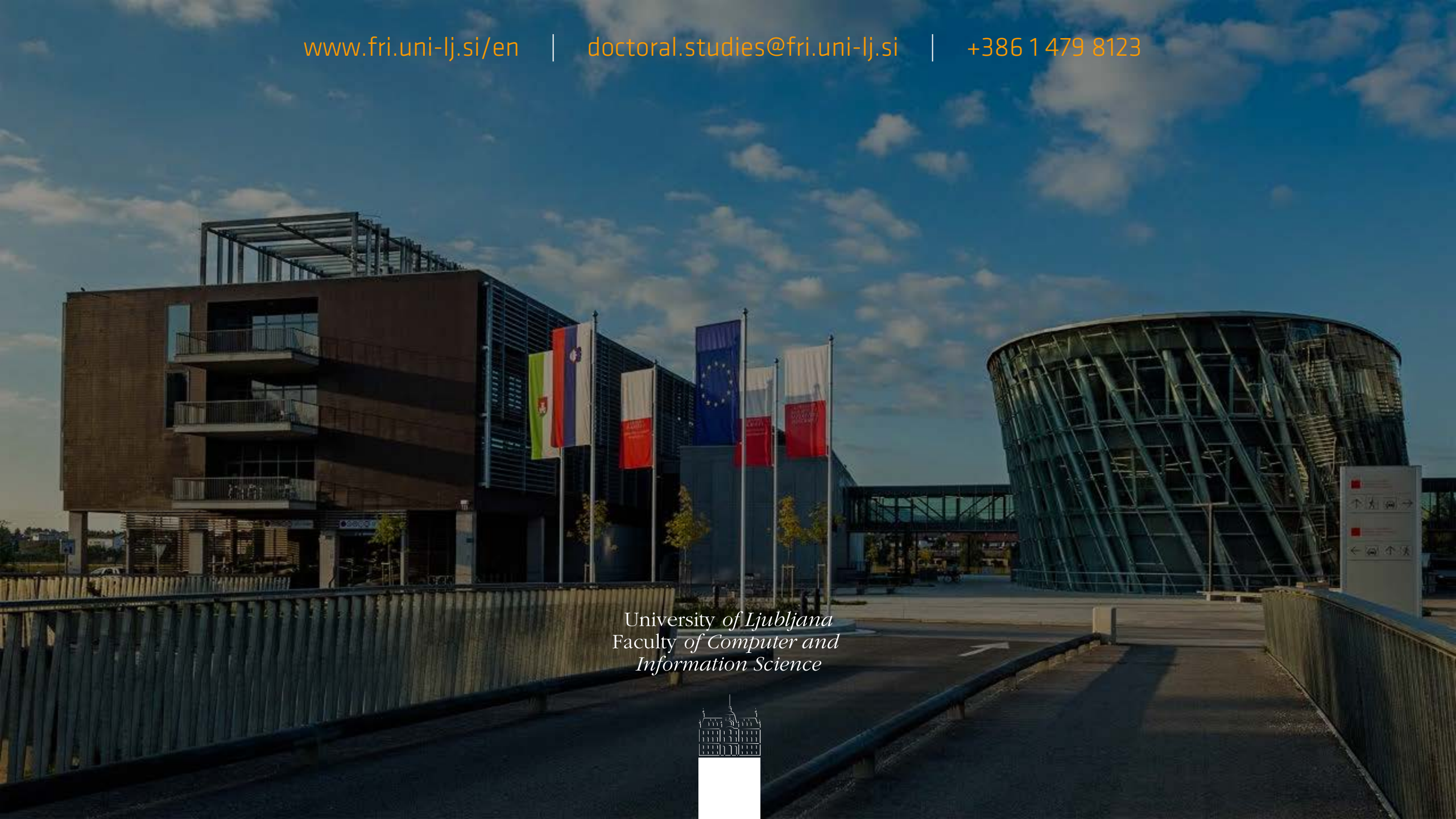
Machine learning for image and biometrical data analysis

Contact: **Peter Peer** (Peter.Peer@fri.uni-lj.si)



Testimonials of Doctoral Students

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Questions
& Answers