

IAESTE Internship report  
(From Rostock, Germany to Ljubljana, Slovenia)

It was in 2017 December, I got to know about IAESTE (through friend's) is offering internship for students through international exchange. People working in IAESTE guided me step by step to fulfil my internship goal and I was one of few students to get internship.



I spent 52 weeks as an intern at Jožef Stefan institute, Reactor engineering division, Ljubljana. I was assigned to do Computational fluid dynamics (CFD) simulation on fluid behaviour, building and conducting experiments in laboratory. Watching the core (Fig 1) that close during shutdown was one of my greatest experience and to be part of our Thermal-Hydraulics Experimental Laboratory for Multiphase Applications (TELMA) lab inauguration was an honour moments (Fig 2). This apparatus is a unique test section resembling closely a single fuel rod, allows visual observations of boiling phenomena including the Critical Heat Flux (CHF) in annulus geometry and also the picture depicts my colleagues at work. All this work was summarized and prepared as a report to publish in 'Nuclear energy for new Europe' international conference as a main author during my internship period.



Figure 1: Reactor core



Figure 2: Inauguration of lab

It was a great opportunity to work with Dr. Marko Matkovič, my mentor (Fig 3) during internship. His motivation and his quick intelligence brought both of us a lot of joy, and I enjoyed working with him a lot. I made lot of friends during my time here, but one remains special, it's Aleš Koletnik. He was our summer student coordinator from IAESTE. I was his first student, since everything was new for him we both worked together for all the documents and other work initially. Thank you IAESTE, without your help I couldn't meet this two nice people.



Figure 3: Mentor



Figure 4: Friend



Figure 4: Ljubljana

To go more insight about country, Slovenia is the hidden heaven in Europe. Filled with greenery and nice people. Renting a room costs between 170 to 250 euros depending on the location. Coffee costs between 1, 20 to 1, 60 euros, beer starts at 2, 50 euros and meals start at 9 euros. In shopping malls (Interspar) the meal prices can be a little cheaper, starting at 5 euros. In general, it is cheaper to eat in Slovenia when compared to Germany or Austria. The prices practiced at the supermarkets are the same as in Germany. The food is a mixture between Austrian alpine dishes (sauerkraut, sausages and meat soup) Mediterranean dishes (fish, pasta, pizza). The fast food is generally based in bosnian cuisine like Čevapčići (some sort of pork meatballs) and Burek (fat and salty pasta rolls filled with cheese and meat). Metelkova and the Parlament pub are the best spots for nightlife in Ljubljana.

Ljubljana is a beautiful city with a strong cultural heritage (it is a very old medieval city) and has many new art style buildings in it, alongside Ljublanska river flowing around the city.

Utilizing this opportunity from IAESTE I did my best in internship, seeing my performance institute was very likely to offer full time employment, currently I'm working as a CFD analyst in JSI.

The opportunity to live and work in Ljubljana sparked my imagination and carrier Thanks a ton IAESTE.