

## Ülemiste City Competition for Bachelor's and Master's Thesis Scholarship

**The scholarship(s) of Ülemiste City Competition for Bachelor's and Master's** Theses are intended for a student/students who is/are ready to write on the thesis topic proposed by the cooperation partner. The competition will take place in two stages: submission of thesis outlines and submission of the final theses.

At the Master's level the scholarship is up to **2,500 euros** and at the Bachelor's level the scholarship is up to **1,500 euros**. The scholarship will be paid in two instalments.

The scholarship is funded by **Ülo Pärnits Scholarship Fund**. The objective of the Ülo Pärnits Scholarship Fund is to support entrepreneurial education and which will highlight competition to drive and help Ülemiste City smarter. Ülo Pärnits was the long-standing head of AS Mainor and the founder of Ülemiste City. Ülo Pärnits was the long-standing head of AS Mainor and the founder of Ülemiste City.

The competition will be open to all the **Bachelor's and Master's students**.

Students who comply with the following conditions can apply for the scholarship:

- the student's weighted average grade is at least 3.5;
- the student has a supervisor from among the academic staff; it is the student's responsibility to find a supervisor from among the academic staff of the university.

**To participate in the competition**, the student shall submit a thesis outline based on the thesis topic proposed by the cooperation partner. A thesis outline must include the following: a concrete research question formulated in cooperation between the student and the supervisor, description of the scope of the thesis and consent of the supervisor and academic supervisor. The thesis outline must be signed digitally by the student and academic supervisor and send to Katrin Sulg, Mainor AS [katrin.sulg@mainor.ee](mailto:katrin.sulg@mainor.ee) who will register the thesis outlines and submit them to Ülemiste City for review.

During this period of the competition, the student (also together with the supervisor) can meet the cooperation partner to formulate more precisely the research question and define the scope of the Master's thesis.

Until **14<sup>th</sup> of December**, it is **possible to hold meetings with the representatives of Ülemiste City** to discuss the expectations for the topic. To do that, you should write [katrin.sulg@mainor.ee](mailto:katrin.sulg@mainor.ee) or just fill out the form and submit it.

Ülemiste City will assess the preliminary thesis outlines and select the best student who can write the thesis in cooperation with Ülemiste City and will appoint a co-supervisor.

The Supervisory Board of the Mainor AS will approve the results of the competition and notify the teams of the results of the competition.

**The student who submits the best thesis outline will be paid 1/3 of the amount of the scholarship after announcement of the results.** Ülemiste City may, make a decision to divide the prize between the participants on a different basis. The rest of the scholarship will be paid after the defence of the graduation thesis.

All potential problems related to awarding of the scholarship shall be solved by the Supervisory Board of the Mainor AS.

Ülemiste City will own the intellectual property created. The team members shall be pointed out as the authors of the intellectual property. The authors shall have the right to use the created intellectual property as a reference project.

### **Schedule of the Ülemiste City Competition for Bachelor's and Master's Theses:**

**25 September 2019** – opening and announcement of the competition

**25 September – 14 December** – meetings held with the representatives of Ülemiste City to formulate the research question and the scope of the topic of the Master's thesis

**15 December** – deadline for the student for submitting the preliminary thesis outline

**15 January 2020** – Ülemiste City selects a Master's thesis with the best project outline and publishes the interim results of the competition, i.e. who receives the opportunity to begin writing their thesis in this competition

**15 January – 15 February** – confirmation of the terms reference of the thesis with the representatives of Ülemiste City and the continuation of the writing of the thesis

**15 May** – deadline for submitting the competition works

**June 2020** – defence of the competition works, assessment of the results (by topic outline), approval by the Supervisory Board of AS Mainor and publication

#### **1. Topic and problem of the challenge:**

##### **1. "New Knowledge Arising from the Ülemiste City Campus' Big Data"**

Ülemiste City campus produces data after every millisecond, second, hour and day. Big data which has potential to extend and be used for new smart services and products of the campus. By analysing and studying the large amounts of data, it is possible to discover new patterns and thus gain new knowledge for the future campus.

**The aim of the study:** The developers of Ülemiste City are expecting research papers about data economy to enter the competition, which help to bring either new knowledge in the management of the modern strategic campus, new products or services to the campus. Researches that focus on which data important for Ülemiste City could be collected and why are

the most welcome (by using ideas, visions for the future, but also specific examples so far used in the campuses/different fields of activity). The particular Bachelor's or Master's thesis could be focused on a narrower topic within this topic.

**Criteria for assessing competition entries:**

- Innovativeness
- Potential for implementation
- Efficiency/profitability of the solution (compliance with the set objective)
- Visually and substantially compelling presentation (video, PowerPoint, mock-up, etc.)
- Relevance of the competition submission