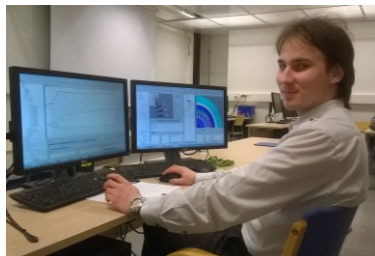


Konstantin Vostrov Report

Many thanks to Sähköinsinööriiliiton Säätiö /Association of Electrical Engineers for the provided financial help. The grant was utilized in the maximum effective way, and in the current report I will describe with pleasure the university and the results, which was reached with the help of the given grant.



I have met LUT University quite a long time ago when was accepted here by the Double Degree program. However, after graduation, I have decided to continue my studies in LUT. Recently I have received the Ph.D. study right and now on the way to my doctoral degree. Being a doctoral student in LUT is a real honor for me, and I will be happy to describe the university and my progress here.

I am studying at LUT's Lappeenranta campus in LUT School of Energy Systems, in the Laboratory of Electrical Drives Technology. The LUT campus is a modern and pleasant studying site. It combines modern educational technologies, well-equipped scientific laboratories, has informal lounges and co-working areas available, and perfectly integrated with the environment.

Even though LUT has several educational and scientific branches – electrical engineering, mechanical engineering, chemical engineering, computer science, business, etc. – I can responsibly declare that electrical engineering school and particularly Laboratory of Electrical Drives Technology gives really high-quality education and have the necessary equipment and highly experienced enthusiastic personnel to carry out the research projects on the cutting edge of progress.

In my Ph.D. studies, I have two main activities: earning credits by taking postgraduate courses and carrying out of the research, which will be finally compiled into the Ph.D. thesis manuscript.

With the help of Sähköinsinööriiliiton Säätiö, I could for some time focus fully on the studies and research tasks. During that time, several courses were taken, and some part of the research work was preceded.

From the courses I have taken, I deepened my knowledge in technical sciences, and also expanded my horizons into systems engineering, complex systems, and a little bit into business fields of knowledge. These courses consume a lot of time and taking all of them might be challenging without the help of the foundation.

On the scientific front, I have been working on the journal paper preparation, studied the literature, and was developing the methods for new ideas and approaches theoretical and practical verification. With the financial help provided, it became possible to free some time for the mentioned activities.

Konstantin Vostrov, Lappeenranta, 20.04.2020