**CV**

I have two University educations: a specialist of “Gas turbines, steam turbines and engines” (2009-2014) and a bachelor of “Economic activity legal support” (2011-2015). Graduated from Ural Federal University named after the first President of Russia, Ekaterinburg, Russia.

Since 2011 I am a researcher of Ural Energetical Institute of Ural Federal University. This is an engineer’s job, connected with investigating power stations equipment efficiency. I have been working in the research of steam ejectors for 5 years. My job consists of several missions:

* analizing the results of similar researches all over the world;
* providing researches, including theoretical part, methodological part, calculating, CFD-modelling and designing jets;
* verification of theoretical data, using modern test-benches and operating equipment of power stations;
* describing researches and its results in papers, presenting at conferences;
* visiting manufactures for the supervision of the assembly and the manufacturing technologies;
* visiting power stations for testing the equipment;
* providing cooperative investigations with colleagues from other Universities (Russian and Europe Universities)

During this period of time, I have provided an experimental research of 19 steam-driven multistage ejectors in operating conditions of 9 different power stations. I also prepared a multimedia lecture course and tree student manuals in Ural Federal University: “Turbine – it is very simple” (2012); “Oil coolers in oil systems of turbomachines” (2014); “Ejectors of steam turbines condensation systems” (2015). The results of my investigations are presented in 17 papers and at about 8 conferences. The topics are connected especially with profiled tubes (for oil coolers and ejector coolers), ejectors reliability, exploitation and experimental verification. I have also got 3 patents for methodology of ejector calculating, for the modern model of a steam ejector and for the construction of the ejector nozzle fixing. In 2016 I got a grant of a Russian Ministry of Science and Education for a new ejector design.

Since 2014 I am a Ph.D. student of Ural Federal University and since 2016 – also a Ph.D. student of University of Florence. The topic of the current researches is “Ejector operating optimization”. The thesis consists of a theoretical part, CFD-modelling, stand-benches experiments, experiments of the ejectors operating on the power stations.

At the nearest time it is planned to publish at list 5 papers in different journals, connected with power engineering, and also to participate in 2 conferences, connected with current researches.

Ilia Murmanskii

The 20 of September 2016