

Dávid Guszejnov - Covering letter

I first visited Chalmers University of Technology in August 2010. There I met Prof. Tünde Fülöp (Department of Applied Physics), with whom, as a side project to the original intention of my visit, started working on a paper concerning neoclassical transport of impurities in the tokamak pedestal. This work has been published recently in Plasma Physics and Controlled Fusion ([link](#)).

I visited Chalmers University a second time in January 2011, and since then I have been collaborating with Prof. Tünde Fülöp on a topic concerning the transient currents induced by sudden cooling in tokamak plasmas and their implications to stability. I hope that this work will represent the foundation of my MSc thesis. I have already got some preliminary results, but I am positive that the ability to consult her on a daily basis would greatly speed up my research.

I request the aid of FUSENET so that I would be able to travel to Gothenburg and begin a more intensive collaboration regarding my research topic for two weeks. I believe this would not only benefit my research and thesis progress, but would also provide me with invaluable working experience.