

Ph.D. Student Evaluation – Ing. Robert Moucka

Ing. Robert Moucka has been studying Ph.D. programme as a full-time student at the Faculty of Technology, Tomas Bata University in Zlín, since September 2004. In 2006 he received a part-time position as a research assistant and development technician at the Polymer Centre.

He fulfilled all the duties connected with the Ph.D. study programme and in 2007 he passed the state exam entitled “Electromagnetic properties of composite materials”.

During the time of study he participated in the following projects: MSM 7088532101, CZ 62, ME 883 KONTAKT, FRVS 200/2006/G1 which dealt with electromagnetic properties, structure of polymer composite materials and cooperated with many partners from Czech, Slovak and Russian Academy of Sciences.

His dissertation deals with the investigation of electromagnetic properties of hybrid polymer magnetic composites based on MnZn ferrites with application in electromagnetic shielding and medicine. The aims of the dissertation have been accomplished. From the research results obtained one paper has already been published, one accepted and one is submitted into international journals with impact factors from 1 to 2.

He presented the results at several many international conferences in Russia (2005), Japan (2006), Slovakia (2006, 2007) and Great Britain (2007). His oral presentation at international conference on “Molecular Mobility and Order in Polymer Systems” in St. Petersburg, Russia in 2005 was awarded by a prize in category of student contributions.

He also successfully participated as a assistant of master programme subject “Natural and Synthetic Polymer Composites”.

Even if he is modest, Mr. Moucka is a gifted person with a great potential because of deep understanding the problem and thoughtful approach to work. Thus he is able to execute research on a high level and work independently in any area concerning polymer composites and their application. Thus, I recommend him for the defence of his PhD thesis.

Assoc. Prof. Jarmila Vilcáková

Supervisor