

Supervisor's evaluation of doctoral studies of Mr. Miloš Fojtlín

Mr. Miloš Fojtlín was enrolled to his doctoral programme in September 2014 at the Faculty of mechanical engineering of Brno University of Technology, at the department of Thermodynamics and environmental engineering. Already during his Master degree study program he showed an interest in the topic of human comfort in car cabins. His Master study program was successfully accomplished by an excellent thesis "Determination of heat transfer coefficients from the surface of the thermal manikin". During his master study he gained a good knowledge, experience and expertise with thermal manikin Newton and with related topics focusing on experiments and simulations. Already during his Master studies he joined a team that collaborated with team from Škoda Auto within The Centre of Excellence of Automotive Industry.

Shortly after he began his doctoral study program, he improved and completed results from his Master thesis and submitted an article Fojtlin et al. "Determination of convective and radiative heat transfer coefficients using 34-zones thermal manikin: uncertainty and reproducibility evaluation" that was published in the journal Experimental Thermal and Fluid Science. Since he has written several high quality articles in highly ranked international journals.

From the beginning of his doctoral studies he had been working on the research of drivers comfort under the project funded by the Technology agency of Czech Republic and also was collaborating with Konzern Research centre of German Volkswagen and Škoda Auto on seat comfort.

As the research on personal comfort is tightly linked with garment, his attention was later drawn to different types of clothing and thermal properties in cooperation with Textile testing institute in Brno. As a result of his excellent achievements and focus on human protection and physiology, Swiss Federal Laboratories for Materials Science and Technology EMPA him offered a position of junior researcher for 18 months starting on 1st May 2017 under a co-supervision of Dr. Agnes Psikuta from the Laboratory for Protection and Physiology. During his stay there he gained a very good knowledge of the topic and became an excellent young scientist.

Mr Fojtlín is a hard working person fully devoted to his research. During several meetings with industrial partners like Volkswagen, Škoda Auto, and MAN Truck & Bus he had been presenting team results and proved an excellent knowledge of the topic, being able to discuss all issues and defend our conclusions and recommendations. One of his personal quality is a great drive to reach results.

In Brno, 01.10.2019

Miroslav Jícha, professor
supervisor

A handwritten signature in blue ink, appearing to read 'Jícha', is written over a light blue horizontal line.