

Zlín, March 30, 2019

A report on Daniel Sanétník, an author of PhD thesis

“Optimization of processing of powder injection molding feedstocks prone to phase separation”

Doctoral Thesis submitted by Daniel Sanétník is focused on optimization of Powder Injection Molding (PIM) and investigation of phase separation occurring during injection molding step of PIM process.

Mr Daniel Sanétník started to investigate the possibilities to quantify and consequently reduce phase separation of PIM feedstocks under my guidance in 2012. He joined the group of PhD students working on implementation of PIM technology in the Czech industry. His task - to investigate currently the most severe issue of PIM technology (phase separation) - is thus a part of a broad research program carried out at the Centre of Polymer Systems of TBU.

Daniel Sanétník was an active student as documented by his papers published in the respectable journals of the particular field. During his PhD study at Tomas Bata University in Zlín he joined and became valuable member of the strategic projects of the Centre of Polymer Systems. He also represented PIM research group at our partner institution – POSTECH Korea during his stays abroad resulting in the common publication in Q1 journal.

His thesis presents thorough systematic experimental methods, producing data on the subject, which are discussed with comprehensive references to the previous research in the field. By this thesis Mr Daniel Sanétník demonstrates his ability to conduct careful and well-oriented scientific research at a satisfactory level.



Berenika Hausnerová

Supervisor