

Supervisor's review for the course of study

Ph.D. Candidate: Michal Hlobil, Czech Technical University in Prague + Vienna University of Technology

Michal Hlobil started his Ph.D. in 2012 as a continuation of his former activities at the Experimental Center of CTU. A few months later, he agreed to join Nanocem's industrially-driven Core project 10 "Micromechanical analysis of blended cement-based composites" and simultaneously became a candidate for double-degree with TU Vienna. Such constellation resulted in commuting among Prague, Vienna and labs in Lafarge Research Center near Lyon.

He has excellently adapted to such regime, fulfilling expectations on each place and planning experimental work very carefully. Multidisciplinary nature of the research topic exposed Michal to challenging tasks in numerical and continuum micromechanics, modeling, programming languages, cement chemistry, interpretation of results and critical assessment of outcomes. In every discipline, he mastered the subject for his needs and proved to quickly absorb new findings.

During his Ph.D. study he became a main author of three peer-reviewed papers, co-authored one more and wrote six conference papers. He has regularly visited Nanocem's meetings (6), coordination meetings (8), where he presented and discussed results.

Michal fulfilled Einstein's advice to youth "Never Lose a Holy Curiosity" when exploring microscopic world of mechanics. So far, he did not follow his next advice "If the facts don't fit the theory, change the facts".

In Prague Sept 20, 2016


Doc. Ing. Vít Šmilauer, Ph.D.