

Assistant Professor Dr. Martin Adamčík
Awarded St. Thomas Aquinas Award for Research (Third Class)

Citation

Assistant Professor Dr. Martin Adamčík received his Master degree in mathematics from Comenius University in Bratislava, Slovakia, in 2010. After that he became a Marie Curie Early Stage fellow under the project From Mathematical Logic to Applications, which entitled him a faculty position at the University of Manchester, U.K., which he held for two years. From this university he received a Ph.D. degree in mathematical logic in 2014.

He has been a faculty member of Assumption University of Thailand since 2014 and effectively became an assistant professor in mathematics in June 2015. From August 2017 he is based in the Department of Business Economics, Martin de Tours School of Management and Economics. During his service he has provided research reviews first as a member of the school's research review board and later as a member of the Research and Academic Services Support Committee.

The main research interest of Assistant Professor Dr. Martin Adamčík is to apply logic and probability to practical inferences about the real world, fulfilling the aim of the fellowship that kick-started his career. To this end, he has developed a new method for meta-analysis that deals with both complex knowledge and unexplained heterogeneity. A research paper explaining this method by combining several medical studies concerning the one-year incidence of diagnosis of cancer in patients with unprovoked venous thromboembolism was published in the *Journal of Biomedical Informatics*, a leading journal in the field indexed in the Science Citation Index.

Among other publications, the following are his best journal papers, all created during his service for Assumption University of Thailand:

1. Adamčík, M. A Logician's Approach to Meta-Analysis with Unexplained Heterogeneity. *Journal of Biomedical Informatics* 71 (2017): 110-129.
2. Adamčík, M. On the Applicability of the 'Number of Possible States' Argument in Multi-Expert Reasoning. *Journal of Applied Logic* 19 (2016): 20-49.
3. Adamčík, M. The Information Geometry of Bregman Divergences and Some Applications in Multi-Expert Reasoning. *Entropy* 16 (2014): 6338-6381.

This was possible only with support from the faculty, namely from the dean Dr. Uree Cheasakul and from colleagues at the department level. Among other collaborators, those who contributed most to his research achievements are Dr. George Wilmers, Professor Pavol Zlatoš, Dr. Alena Vencovská and Dr. Juergen Landes.

For his valuable contribution to research, Assistant Professor Dr. Martin Adamčík is awarded the St. Thomas Aquinas Award for Research (Third Class) on this auspicious date of December 24, 2017.