

# Mladen Vuković

Associate Professor, Department of Mathematics,  
University of Zagreb  
PhD University of Zagreb, 1996

Research interest: Interpretability and provability logic, modal logic

## Recent publications:

- [1] T. Perkov, M. Vuković, *A bisimulation characterization for interpretability logic*, **Logic Journal of IGPL**, 22(2014), 872-879
- [2] V. Čačić, M. Vuković, *Interpretability logic IL does not have finite subtree property*, **Rad HAZU, Matematičke znanosti**, 18=519(2014), 1-5
- [3] T. Perkov, M. Vuković, *Some characterization and preservation theorems in modal logic*, **Annals of Pure and Applied Logic**, 163(2012), 1928-1939
- [4] V. Čačić, M. Vuković, *A note on normal forms for closed fragment of system IL*, **Mathematical Communications**, 17(2012), 195-204
- [5] M. Vuković, *A note on ultraproducts of Veltman models*, **Glasnik matematički**, 46(66)(2011), 7-10

## Selected publications:

- [1] D. Vrgoč, M. Vuković, *Bisimulations and bisimulation quotients of generalized Veltman models*, **Logic Journal of IGPL**, 18(2010), 870-880
- [2] M. Vuković, *Bisimulations between generalized Veltman models and Veltman models*, **Mathematical Logic Quarterly**, 54(2008), 368-373
- [3] M. Vuković, *The principles of interpretability*, **Notre Dame Journal of Formal Logic**, 40(1999), 227-235
- [4] D. Vrgoč, M. Vuković, *Bisimulation quotients of Veltman models*, **Reports on Mathematical Logic**, 46 (2011), 59-73
- [5] M. Vuković, *Hennessy-Milner theorem for interpretability logic*, **Bulletin of the Section of Logic**, 34(2005), 195-201