

Dimitrios Tsalikis received his Diploma in Chemical Engineering from the University of Patras in 2004 and his Ph.D. from the National Technical University of Athens in 2009 under the advisement of Prof. D.N. Theodorou. In 2011 he joined the research team of Prof. V. G. Mavrantzas in Patras as a post-doctoral fellow. He is the author of 15 papers, practically all on the multi-scale modeling and simulation of polymers and polymer nanocomposites in their glassy or molten state. In the last few years, he is developing methodologies to unveil the molecular mechanisms associated with the unique dynamics and rheology of melts of non-concatenated polymer rings and to interpret the findings of recent state of the art experimental studies.

Dimitrios Tsalikis has a unique experience with high performance computing since 2007 being an active user of Tier1 and Tier0 HPC systems available to scientific community via HPC-Europa, PRACE and LinkSCEEM projects. He has also considerable experience with programming on GPUs (CUDA) and CPUs (MPI) for the atomistic Monte Carlo and kinetic Monte Carlo algorithms that he is developing as part of his participation in many other projects in the team of Prof. V. G. Mavrantzas.