

Curriculum Vitae

Kristian Hengster-Movric was born in Zagreb, Croatia, in 1986. Elementary and High School education was received in Zagreb. In 2004 Kristian graduated from XV. Gimnazija, mathematics and science oriented high school, as one of the best students in his generation. He enrolled in the Faculty of Electrical Engineering and Computing at The University of Zagreb in 2004 and received the M.S. degree in the field of Automatics in 2009. He received the state scholarship for being in the top 10% of his generation for the entire duration of the program. During the time in college he worked also on different projects that resulted in various publications, and served as a teaching assistant in Mathematics and Signals and Systems during his senior years. Shortly before graduation he was awarded the 2009. Rector's Prize for excellence in research work on multi-agent potential field control.

In 2009 Kristian was accepted to the University of Texas at Arlington, Electrical Engineering department for a PhD. Since the Fall semester that year he has been working towards the PhD at the UTARI institute, under the supervision of dr. Frank L. Lewis. In addition he has served in the capacity of a graduate teaching assistant for the courses in Control Systems, Circuits, Electronics, Linear Systems, Optimal Control and Distributed Decision and Control. In 2010 Kristian was inducted into The Golden Key Honor Society, for academic achievement. In 2013 he was awarded second place prize, N.M. Stelmakh Outstanding Student Research Award, for the excellence of the research work conducted while in the PhD program. He was also awarded Dean's Fellowship for summer semester 2013. Kristian successfully defended his doctoral dissertation in Summer 2013, thus completing the PhD program at the University of Texas at Arlington.

Research interests include, but are not limited to, dynamical systems and control theory applied to complex, multi-agent systems, differential geometry, topology, qualitative analysis of dynamical systems, control of physical systems, systems with distributed parameters. Recent work addressed distributed control of multi-agent systems, applied to synchronization and consensus.