

Yang Rui, who was born in city of Ji'nan, China, graduated from National University of Singapore in May 2008 with a Bachelor degree in Computer Engineering. Currently, he is working on his PhD in the area of laser interferometry and motion control in National University of Singapore.

A model-based software simulator was developed using Agilent VEE to allow realistic, low cost experimentation with DC motors. The dynamics of a real motor was modeled and simulated, and through the graphical user interface, the users of the simulator can vary input and control parameters and observe real-time response from the DC motor. While this simulator is mainly targeted at high school students, supplementing their course work in Newtonian Mechanics, the platform developed is portable towards implementation of other simulators.