

Stefan Kuiper studied mechanical Engineering at the University of Twente where he received his Masters degree in 2007, and he received his PhD degree from the University of Delft in 2012 for his research on the mechatronics and Control of high speed Atomic Force Microscopy (AFM).

In 2012 he joined the opto-mechatronics department at TNO where he focusses on the development of high precision mechatronics systems for applications in the Semiconductor industry, Space, and ground-based astronomy. These systems include Large dynamic-range Atomic Force Microscopes, various pointing mechanisms for Laser communications systems, and deformable mirrors based on custom designed electromagnetics actuators. The current focus of his work is on the development of large format deformable mirror systems of up to Ø1,4meter diameter and up to several thousands of actuators which are aimed to integrated within the largest ground based astronomical telescopes in the world.