

**Dr. Günter Niemeyer** is an assistant professor in Mechanical Engineering at Stanford University and directs the Telerobotics Lab. His research examines haptics, human-robotic interactions, force sensitivity and display, and teleoperation. Medical devices, in particular telesurgery, form a primary application. His work also addresses the effects of time delays or network transmissions on user perception, both in training, simulation, and operation.

Dr. Niemeyer received his M.S. and Ph.D. from MIT in the areas of adaptive robot control and bilateral teleoperation, introducing the concept of wave variables. He also held a postdoctoral research position at MIT developing surgical robotics. In 1997 he joined Intuitive Surgical Inc., where he helped create the daVinci Minimally Invasive Surgical System. This telerobotic system enables surgeons to perform complex procedures through small (5 to 10mm) incisions using an immersive interface and is now being used at over 400 hospitals worldwide. He joined the Stanford faculty in the Fall of 2001.