MAJOR RESEARCH INTERESTS
Research in my laboratory (http://serve.me.nus.edu.sg/ongsk/ARLab/index.htm) concentrates on the application of augmented reality (AR) technology to the areas of manufacturing and assistive technology. Research is being carried out on fundamental AR issues, mobile and outdoor AR systems, as well as the application of AR to product design, assembly, robot planning, machining, assistive technology devices, etc. Current projects include

1. Augmented Reality-based Machining Simulation
2. Use of AR to Facilitate Layout Design and Planning
3. An AR-assisted Manufacturing Planning Round-table Discussion
4. A Volumetric Model-based CNC Simulation and Monitoring System in Augmented Environments
5. AR-assisted Assembly of Complex Parts
7. Mobile Outdoor AR Navigation System

RECENT PUBLICATIONS