

# Keysight University Research

Talk by Roger Stancliff, Keysight Technology and Visiting Professor at University of Leeds (UK), June 29th, 9:00 a. m., Room 3.40, Building 30.10

Keysight Technologies is an electronic measurement company born in the famous HP garage. University Research is an essential element in helping Keysight advance measurement science. In this talk a brief overview of the company will be provided and how Keysight works with Universities. The main part of the talk will focus on research technology tracks. Ten research areas have been identified (technology tracks) where Keysight interacts heavily with University researchers both in collaborating on the research and in providing leading edge measurement solutions to help them advance their work. Roger Stancliff will briefly describe examples of the work they do in some of these areas: Quantum I.

**Roger Stancliff** graduated from Cornell University with his M(Eng)E in 1973 with a focus in microwave engineering. He began working at Hewlett-Packard (HP) in Santa Rosa California in June 1973. He designed microwave components for instrumentation and then led instrument development programs in Microwave sources, spectrum analyzers, and network analyzers. In 1993 he received his MS(MOT) from National Technological University. In 1999 Agilent split off from HP and in 2014 Keysight split off from Agilent. From 2002–2015, as CTO of the Component Test Division, Roger focused on developing new applications for microwave measurements including microwave imaging for medical, security, and process analytics, nanoscale near field microwave imaging, and the creation of new network analyzers to enable their use as embedded components in these application areas. In October 2015 he retired but rejoined Keysight in April 2016 as the CTO for Education Solutions in the newly formed Education Solutions unit. He now focuses exclusively on Universities and research institutes with many collaborations worldwide on research and teaching topics. He is also a visiting professor at University of Leeds (UK).

