B.S., University of California, 1969; Ph.D., Harvard University, 1974. Visiting Associate, Caltech, 1976; Assistant Professor, 1977-82; Associate Professor, 1982-86; Professor, 1986-2011, 2017-; Smits Family Professor, 2012-16; Jet Propulsion Laboratory Research Scientist, 2014-15; Jet Propulsion Laboratory Senior Research Scientist, 2015-.

Professor Yung's research interest consists of six major overlapping areas: planetary atmospheres, planetary evolution, atmospheric chemistry, atmospheric radiation, astrobiology and global change, with a strong emphasis on interaction and synergy among modeling, laboratory experiments and field observations, often in collaboration with colleagues at Caltech and the Jet Propulsion Laboratory (JPL).

In his work on planetary observations, Professor Yung collaborates with spacecraft teams. He is a co-investigator on the Ultraviolet Imaging Spectrometer (UVIS) Experiment on the Cassini mission to Saturn (1987-present), the Orbital Carbon Observatory-2 (OCO-2), a project to map CO2 concentrations for the Earth (launch 2014). He is an Interdisciplinary Scientist for Venus Express, an European Space Agency mission (2005-present).