

## Edward J. Groth Mini-Bio

August 7, 2017

Professor Edward Groth received a BS from Caltech in 1968 and a PhD from Princeton University in 1971, both in Physics. He has been a member of the Princeton Physics Faculty since receiving his PhD. He has taught almost all the courses in the undergraduate physics curriculum as well as graduate physics courses and freshman seminars. His research has included IR astronomy, high-speed optical photometry including timing of the Crab Pulsar, and studies of large scale structure and cosmology. In 1977 he was selected as the Data and Operations Team Leader for what became the Hubble Space Telescope. After launch in 1990, he was appointed the Deputy Principal Investigator for the Wide Field and Planetary Camera Instrument. He also served on the ad-hoc committee to characterize the error in the primary mirror; a prerequisite for the fixes put in place at the time of the first servicing mission in late 1993. His research included carrying out the first HST survey, now known as the “Groth Strip,” and the first weak lensing analysis of HST data. He also participated in Keck observations to obtain spectroscopy for the objects in the survey. He has participated in an Optical SETI project and has served (2004-2009) on the External Independent Readiness Board for NASA’s Navigator program which seeks to discover and characterize Earth-like planets orbiting in the habitable zones of nearby stars. Professor Groth served on the 1980 Astronomy Decadal Review committee. He was the Associate Chair of the Princeton Physics Department from 2001-2008. He has served as Princeton’s representative to USRA for a number of years and as Vice-Chair of the USRA Council of Institutions, 2006-2008, and Chair of the Council and member of the Board of Trustees, 2008-2010. He has served as a reviewer for NASA’s Discovery 2014 Program for both step 1 and down select and for the EPSCoR program. He served as a consultant and advisor for American Cash Exchange, 2014-2017. In November, 2016, Professor Groth was named a Fellow of the American Association for the Advancement of Science.