

Plenary Talk

## THE DISTANT UNIVERSE REVEALED BY HUBBLE SPACE TELESCOPE

R. Williams<sup>1</sup>

<sup>1</sup>*Space Telescope Science Institute*

Initially believed to be unlikely to characterize galaxies at high redshift Hubble Space Telescope did demonstrate that its deepest images could reveal basic properties of distant galaxies. The history of the original Hubble Deep Field and HSTs successive deep field surveys will be recounted up to the current Frontier Fields project. The advances of each survey over the previous deep fields—especially the landmark validation of photometric redshifts that have opened up the entire universe to study—will be described up to the present time where we are now imaging moderately distant clusters of galaxies to detect the most distant gravitationally lensed and magnified early epoch galaxies.