

Sangmo Tony Sohn, PhD

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Dr. Sangmo Tony Sohn is an accomplished scientist at the Space Telescope Science Institute (STScI), where he contributes to the Science Operations Center (SOC) teams for both the James Webb Space Telescope (JWST) and the Nancy Grace Roman Space Telescope. In his current role, he focuses on the critical tasks of enhancing telescope pointing accuracy and calibrating focal plane alignment for these premier observatories. Before his current position, Dr. Sohn earned his Ph.D. in Astronomy from the University of Virginia and gained experience at the Korea Astronomy & Space Science Institute (KASI) and Caltech, as well as serving as an instrument scientist for the Hubble Space Telescope (HST) at STScI.

Dr. Sohn is an internationally recognized expert in measuring the proper motions of galaxies, star clusters, and stars within the Local Group. Using sophisticated image processing techniques on data from HST, JWST, and Gaia, his work has significantly advanced the understanding of galaxy dynamics. His pioneering measurement of the Andromeda Galaxy's (M31) proper motion garnered global media attention and stands as a major contribution to the field. Throughout his career, Dr. Sohn has led over ten Hubble programs as Principal Investigator and has authored more than 90 scientific papers, cementing his reputation as a leader in high-precision astronomical measurement.

