

## Schrijver, Karel

Karel Schrijver received his doctorate at the University of Utrecht, the Netherlands, on the topic of solar and stellar magnetic activity. He now works at the Lockheed Martin Advanced Technology Center in Palo Alto, California. His research focuses on the magnetic activity of the sun, the coupling of the sun's magnetic field into the heliosphere and its solar wind, the manifestations of magnetic activity of other sun-like stars, and the impact of solar variability on society.

In addition to scientific research, he is actively involved in developing and operating space instrumentation: he was the science lead and later the Principal Investigator for the Transition Region and Coronal Explorer (TRACE) and for the Atmospheric Imaging Assembly (AIA) of the Solar Dynamics Observatory (SDO), and is co-investigator on the Helioseismic and Magnetic Imager (HMI) on SDO and on NASA's Interface Region Imaging Spectrograph (IRIS) small explorer mission.

His interests include disseminating newly developed understanding of our neighboring star and its influence on society to students and the general public. He co-authored the first textbook on solar and stellar magnetic activity and defined and led the first phase of the Heliophysics Summer School that resulted in a textbook series on heliophysics as an integrated science. He has written popular science papers in, for example, *Sky and Telescope*; he developed multiple posters and an annual calendar for public distribution; and he has been an advisor in, or contributor to, science programs for planetariums, an international IMAX production, and public television programs.

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(*Note:* Dr. Karel Schrijver passed away in September 2024, years after this podcast.)