Short bio of Ass.-Prof. Dr. Manuela Temmer

Dr. Manuela Temmer is currently an assistant professor at the University of Graz at the Institute of Physics in the department IGAM-Kanzelhöhe Observatory. She earned her PhD in Astrophysics from the University of Graz in 2004. After receiving her PhD, she worked as a postdoctoral researcher at University of Zagreb (Hvar Observatory) in Croatia from 2005 to 2007 and at the Space Research Institute of the Austrian Academy of Sciences. In 2010 she was appointed as an assistant professor at University of Graz.

Dr. Temmer's research interest is in the area of solar physics and space weather. She works toward understanding the early evolution and propagation processes of coronal mass ejections (CMEs) in interplanetary space. Of special interest in her studies are the feedback relation between CMEs and solar flares, and the drag force of the solar wind acting on CMEs far from the Sun (DBM model). Current research efforts aim to characterize more accurately the distribution of solar wind parameters in interplanetary space by developing an empirical model based on coronal holes. The ultimate goal is a better forecasting of space weather events affecting the Sun-Earth system.

Dr. Temmer’s studies cover also global coronal wave phenomena (Moreton, EUV waves), as well as solar activity over the solar cycle. She is Science Co-I for the STIX (Spectrometer/Telescope for Imaging X-rays) instrument on Solar Orbiter.

Dr. Temmer is currently Topical Editor for Annales Geophysicae (Solar Corona&Heliospheric Physics) and LNO for the EGU Division on Solar Terrestrial Sciences. She coordinated together with Dr. Gopalswamy the MiniMax24 observing campaign during 2013.