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Type: **Invited talk**

Parker Solar Probe: new insights into the magnetic solar corona and wind.

Thursday, 9 September 2021 16:20 (20 minutes)

Parker Solar Probe has now completed eight orbits around the Sun, providing a new view of the dynamics of the solar wind in the inner heliosphere all the way down to 14.5 Solar Radii from the surface. This presentation will highlight some important early results, such as the prevalence of Alfvénic turbulence in solar wind of all speeds, the dynamics and evolution of switchbacks, the identification of the sources of the solar wind streams carrying the imprint of coronal structure. A final topic will concern the (in)stability of the forming heliospheric current sheet, and the role of fast reconnecting instabilities in the sources of helmet streamer blobs.

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