## Overall Program

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Meeting</th>
<th>Venue/Room</th>
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<tbody>
<tr>
<td>Oct. 2</td>
<td>09:30-12:00</td>
<td>Joint PSP SWG/SO SWT</td>
<td>Kossiakoff Center</td>
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<tr>
<td></td>
<td>13:30-18:30</td>
<td>SO SWT (continuation; this may go beyond 18:30)</td>
<td>200-E100</td>
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<td></td>
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<td>PSP SOC meeting</td>
<td>Parsons Auditorium</td>
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<tr>
<td>Oct. 3-6</td>
<td>08:30-18:30</td>
<td>Science Meeting</td>
<td>Kossiakoff Center</td>
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## Science Program – Oct. 3, 2017

<table>
<thead>
<tr>
<th>Sessions</th>
<th>Contributions</th>
<th>Speakers</th>
<th>Time Allocations</th>
<th>Clock</th>
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<tbody>
<tr>
<td>Opening Session</td>
<td>Opening and Logistics</td>
<td>N. Fox</td>
<td>10</td>
<td>08:30-08:40</td>
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<td></td>
<td>Welcome</td>
<td>R. Semmel</td>
<td>10</td>
<td>08:40-08:50</td>
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<td></td>
<td>NASA HQ</td>
<td>T. Zurbuchen</td>
<td>15</td>
<td>08:50-09:05</td>
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<tr>
<td></td>
<td>How the supersonic speed of the solar wind arises</td>
<td>G. Parker</td>
<td>30</td>
<td>09:05-09:35</td>
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<td></td>
<td>The Evolution of Knowledge of Ion Distributions in the Solar Wind</td>
<td>M. Neugebauer</td>
<td>30</td>
<td>09:35-10:05</td>
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<td></td>
<td>Longitudinal Transport of Solar Energetic Particles</td>
<td>R. J. Jokipii</td>
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<td>10:05-10:35</td>
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<tr>
<td>Heliophysics: from Helios to PSP and SO</td>
<td>Historical Perspective from Helios</td>
<td>I. Richardson</td>
<td>30</td>
<td>10:50-11:20</td>
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<td>Predictions of Solar Cycle 25</td>
<td>R. Cameron</td>
<td>25</td>
<td>11:50-12:15</td>
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<td></td>
<td>Probing Solar Polar Magnetic Fields</td>
<td>M. DeRosa</td>
<td>25</td>
<td>12:15-12:40</td>
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<tr>
<td>Structure &amp; Dynamics of the Solar Wind</td>
<td>Polar Plumes: Coronal Enigmas Wrapped in a Mystery</td>
<td>C. DeForest</td>
<td>25</td>
<td>13:50-14:15</td>
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<td></td>
<td>Predictions of Coronal Plume Formation and Plasma Dynamic Evolution</td>
<td>N.E. Raouafi</td>
<td>25</td>
<td>14:15-14:40</td>
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<td>Prediction of Plasma Dynamics within coronal plumes</td>
<td>R. Lionnello</td>
<td>25</td>
<td>14:40-15:05</td>
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<td>Coronal jets as a source for a subset of coronal mass ejections (CMEs)</td>
<td>A Sterling</td>
<td>25</td>
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<tr>
<td>Structure &amp; Dynamics of the Solar Wind</td>
<td><strong>BREAK, Posters, &amp; PSP Viewing</strong> (1st group to see the S/C)</td>
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<td>15:30-16:30</td>
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<td></td>
<td>Short velocity spikes in the near-Sun high speed solar wind</td>
<td>T. Horbury</td>
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<td>Solar Wind Structure from Pseudostreamers: Connecting Remote and In Situ Observations</td>
<td>N. Viall-Kepko</td>
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<td>17:45-18:10</td>
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<td><strong>Reception</strong></td>
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<td>18:35-21:00</td>
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<td><strong>Solar Energetic Particles</strong></td>
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<td></td>
<td>Overview of Recent Advances in SEPs Observations</td>
<td>G. Mason</td>
<td>25</td>
<td>08:30-08:55</td>
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<td></td>
<td>Untangling acceleration and propagation effects in solar energetic particle events inside 1AU: Parker Solar Probe and Solar Orbiter</td>
<td>E. Roelof</td>
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<td>Possible Causes of the Recent Lack of Large Solar Proton Events</td>
<td>G. Giacalone</td>
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<td>Radial Evolution of Suprathermal Tails</td>
<td>N. Schwadron</td>
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<td><strong>BREAK</strong></td>
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<td><strong>10:35-10:55</strong></td>
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<td></td>
<td>Origin and Acceleration of Suprathermal Ions</td>
<td>M. Desai</td>
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<td>10:55-11:20</td>
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<td>Implications from the S-Web Model for Wide Spread Impulsive SEP Events</td>
<td>A. Higginson</td>
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<td>Understanding Solar Energetic Particle Composition</td>
<td>C. Cohen</td>
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<td></td>
<td>Observations of Solar Energetic Particle Anisotropies at MeV Energies from STEREO/LET and Expectations for PSP/EPI-Hi</td>
<td>R. Leske</td>
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<td><strong>LUNCH</strong></td>
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<td><strong>How Do Solar Transients Drive Heliospheric Variability?</strong></td>
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<td>Solar Eruptions and their magnetic environment</td>
<td>T. Amari</td>
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<td>Determining the Initiation Mechanism of CMEs/Flares</td>
<td>S. Antiochos</td>
<td>25</td>
<td>14:05-14:30</td>
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<td>Insights into the Dynamics and Thermodynamics of the Corona from Total Solar Eclipse Observations</td>
<td>S. Habbal</td>
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<td>Inflows in the Inner Corona: The Closing Down of Flux After Coronal Mass Ejections</td>
<td>P. Hess</td>
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<td>Opening a window on ICME propagation/evolution and GCR modulation in the innermost heliosphere</td>
<td>R. Winslow</td>
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<td>The Solar Wind from Pseudostreamers and their Environ: Opportunities for Observations with Parker Solar Probe and Solar Orbiter.</td>
<td>O. Panasenco</td>
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<tr>
<td>Break, Posters, &amp; PSP Viewing</td>
<td>Poster Session &amp; 2nd group to see the PSP spacecraft</td>
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<td>Poster Session &amp; 3rd group to see the PSP spacecraft</td>
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<td>Chromospheric and coronal heating</td>
<td>Coronal Heating Topology: The Interplay of Current Sheets and Magnetic Field Lines</td>
<td>F. Rappazzo</td>
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<td>The Role of Spicules in Producing the Solar Wind</td>
<td>J. Klimchuk</td>
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<td>Heating of the Basal Corona</td>
<td>M. Aschwanden</td>
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<td>Active region upflows - a contribution to the slow solar wind as viewed through coronal spectroscopic observations</td>
<td>L. Harra</td>
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<td>Velocity and Composition Measurements in the Solar Corona</td>
<td>H. Warren</td>
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<td><strong>10:35-10:50</strong></td>
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<td>Quasilinear Consequences of Perpendicular Turbulent Ion Heating</td>
<td>P. Isenberg</td>
<td>25</td>
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<td>Solar wind dissipation: what’s the best way to measure it, and what does it mean, anyway?</td>
<td>W. Matthaeus</td>
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<td>11:40-12:05</td>
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<td><strong>12:30-13:30</strong></td>
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<td>The parametric instability of nonlinear Alfvén waves: effects of anisotropy</td>
<td>A. Tenerani</td>
<td>25</td>
<td>13:30-13:55</td>
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<td>A zone of preferential ion heating extends tens of solar radii from the Sun</td>
<td>J. Kasper</td>
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<td>Kinetic Scale Turbulence Near the Sun</td>
<td>C. Chen</td>
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<td>14:45-15:10</td>
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<td>Empirical models of the Solar Wind: Extrapolations from the Helios &amp; Ulysses observations back to the corona</td>
<td>M. Maksimovic</td>
<td>25</td>
<td>15:10-15:35</td>
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<td><strong>BREAK &amp; Poster Viewing</strong></td>
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<td><strong>15:35-16:30</strong></td>
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<td>PSP/SO/GB Synergy</td>
<td>Engagement &amp; Communications: Launch event timeline</td>
<td>K. Beisser</td>
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<td>16:30-16:55</td>
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<td>DKIST/SPP/SO Synergy</td>
<td>V. Martinez</td>
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<td>16:55-17:20</td>
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<td>The Parker Solar Probe and Ground-based Synoptic Observations from the National Solar Observatory (NSO)</td>
<td>F. Hill</td>
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<td>Radio Observations in the Era of the Parker Solar Probe</td>
<td>T. Bastian</td>
<td>25</td>
<td>17:45-18:10</td>
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<td>Community data analysis challenges in the era of the Parker Solar Probe, Solar Orbiter and DKIST</td>
<td>J. Ireland</td>
<td>25</td>
<td>18:10-18:35</td>
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</table>
## PSP/SO Observations as Seen from Global Simulations: Context and Predictions

<table>
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<tr>
<th>Sessions</th>
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<th>Clock</th>
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<tbody>
<tr>
<td></td>
<td>Introductions and overview</td>
<td>W. Matthaeus &amp; G. Zank</td>
<td>20</td>
<td>08:30-08:50</td>
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<td>Using MHD Simulations to Characterize the Parker Solar Probe Corona</td>
<td>Z. Mikic</td>
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<td>An Alfvénic Turbulence Solar Wind Model for the Parker Solar Probe Era</td>
<td>B. van der Holst</td>
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<td>09:15-09:40</td>
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<td>Turbulent transport in a structured three-dimensional solar wind</td>
<td>D. Shiota</td>
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<td>Three-dimensional MHD Simulation of the Solar Corona and Solar Wind with Turbulence Transport and Heating</td>
<td>A. Usmanov</td>
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<td>10:30-10:45</td>
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<td>Using global 3D MHD simulations of the solar wind to make contextual predictions for Parker Solar Probe</td>
<td>R. Chhiber</td>
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<td>10:45-11:10</td>
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<td>The Open Flux Problem: Reconciling Solar and Interplanetary Measurements</td>
<td>J. Linker</td>
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<td>11:35-12:00</td>
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<td>Waves and Turbulence in the Solar Wind: Disputed Origins and Predicted PSP Spectra</td>
<td>S. Cranmer</td>
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<td>Field-Particle Correlations as a Diagnostic of Particle Energization and the Implementation of a Wave-Particle Correlator on Parker Solar Probe</td>
<td>G. Howes</td>
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<td>13:40-14:05</td>
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<td>A Nearly Incompressible Description of Low-Frequency Turbulence in the Solar Corona and Wind</td>
<td>P. Hunana</td>
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<td></td>
<td>Discussion</td>
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**Meeting Adjourn**

See You at the Parker Solar Probe Launch