

SATURDAY

## SCHEDULE • Saturday, 8 June 2019

8:00 am	AAS Board of Trustees Meeting, 8:00 am–5:00 pm, Midway 5
9:30 am	Workshop: Planning for the 2023 and 2024 Solar Eclipses (Day 1), 9:30 am–4:30 pm, Regency C

SUNDAY

## SCHEDULE • Sunday, 9 June 2019

10:00 am	Workshop: Planning for the 2023 and 2024 Solar Eclipses (Day 2), 10:00 am–3:00 pm, Regency C
1:00 pm	Registration & Badge Pick-up, 1:00 pm–7:30 pm, Depot Registration Office
	Exhibitor Move-in, 1:00 pm–7:00 pm, Midway West
	Speaker Ready Room, 1:00 pm–7:00 pm, Conductor Room
3:00 pm	SPD Committee Meeting, 3:00 pm–4:30pm, Missouri Pacific Room
5:30 pm	Student Orientation Reception & Grad School Fair, 5:30 pm–7:00 pm, Midway 6
7:00 pm	AAS Opening Reception, 7:00 pm–8:30 pm, Grand Hall

# SCHEDULE • Monday, 10 June 2019

MONDAY

6:30 am	CAPP Breakfast (Invitation Only), 6:30 am–8:30 am, New York Central Room		
7:30 am	Session Chair Breakfast (Invitation Only), 7:30 am–8:30 am, Link Room		
	Speaker Ready Room, 7:30 am–4:00 pm, Conductor Room		
	Registration, 7:30 am–5:00 pm, Depot Registration Office		
8:10 am	<b>100 Plenary Session:</b> Welcome Address by AAS President Megan Donahue, 8:10 am–8:30 am, Grand Ballroom DEF		
8:30 am	<b>101 Kavli Foundation Lecture:</b> Key Outstanding Questions in Galaxy Formation and How to Answer Them, Alice Shapely (UCLA), 8:30 am–9:20 am, Grand Ballroom DEF		
9:30 am	Exhibits, Student Pavilion, & Internet Café, 9:30 am–6:30 pm, Midway West		
	Coffee Break, 9:30 am–10:30 am, Midway West		
	<b>Morning Posters &amp; Monday Chambliss Judging, 9:30 am–10:30 am, Midway West</b>		
	<b>102</b> The Solar System	<b>104</b> Education & History	<b>106</b> Solar Physics Division (SPD) Poster Session I
	<b>103</b> Instrumentation: Ground Based or Airborne & Computation	<b>105</b> Extrasolar Planets	
	<b>Morning iPosters, 9:30 am–10:30 am, Pegram Room</b>		
	<b>107</b> Solar Physics Division (SPD) Session I	<b>109</b> Extrasolar Planets	<b>131</b> Education, History & Astrobiology
	<b>108</b> Dust & Star Formation	<b>110</b> Cosmology and Related Topics	
	<b>111</b> iPoster Plus I: Solar Physics Division (SPD), The Corona, 9:30 am–10:00 am		
	<b>112</b> iPoster Plus II: The Sun, Solar System & Public Policy, 10:00 am–10:30 am		
	10:40 am	<b>Oral, Special Sessions, Division Meetings, and Meeting-in-a-Meetings, 10:40 am–12:10 pm</b>	
<b>113</b> Extra Solar Planets, Grand Ballroom A		<b>116</b> Instrumentation: Ground Based, Computation, etc., Regency A	
<b>114</b> Laboratory Astrophysics Division Meeting (LAD): Bridging Laboratory and Astrophysics: Molecules and Spitzer I, Grand Ballroom B		<b>117</b> Solar Physics Division Meeting (SPD), Corona I, Regency B	
<b>115</b> Cosmological Probes of Dark Matter, I Grand Ballroom C		<b>118</b> Solar Physics Division Meeting (SPD), Data & Computation, Regency C	
Big Bang to Biosignatures: The LUVOIR Mission Concept, 10:40 am–12:10 pm, Jeffersonian/Knickerbocker Room			
11:00 am	Press Conference, 11:00 am–12:00 pm, Illinois Central Room		
12:00 pm	Lunch Break (Cash Lunch Sales 12:00 pm–2:00 pm) Train Park located in the Exhibit Hall		
12:20 pm	<b>119</b> Helen B. Warner Prize Lecture: Hunting for Dark Matter in the Early Universe, Yacine Ali-Haïmoud (New York University) 12:20 pm–1:10 pm, Grand Ballroom DEF		
1:40 pm	<b>120</b> Town Hall: NASA Town Hall, 1:40 pm–2:40 pm, Grand Ballroom A		
	Workshop: Introduction to the AAS WorldWide Telescope, 1:40 pm–2:40 pm, Wabash Cannonball Room		

# SCHEDULE • Monday, 10 June 2019 continued

2:30 pm	Exploring the Diversity and Habitability of Nearby Planetary Systems with HabEx, 2:30 pm–4:30 pm, Midway 1&2		
2:50 pm	<b>Oral, Special Sessions, Division Meetings, and Meeting-in-a-Meetings, 2:50 pm–4:20 pm</b>		
	<b>121</b> Laboratory Astrophysics Division Meeting (LAD): Bridging Laboratory and Astrophysics: Exoplanets I, Grand Ballroom A	<b>124</b> Galaxies, Regency A	
	<b>122</b> Stars & Stellar Topics I, Grand Ballroom B	<b>125</b> Solar Physics Division Meeting (SPD), Corona II, Regency B	
	<b>123</b> Cosmological Probes of Dark Matter II, Grand Ballroom C	<b>126</b> Solar Physics Division Meeting (SPD), Instrumentation, Regency C	
3:00 pm	Workshop: Inversion of IRIS Mg II h&k Data: a Machine Learning Approach, 3:00 pm–4:30 pm, Midway 7&8		
	Revealing the Invisible Universe with the Lynx X-ray Observatory, 3:00 pm–4:30 pm, Wabash Cannonball Room		
	Press Conference, 3:00 pm–4:00 pm, Illinois Central Room		
4:30 pm	<b>127</b> Solar Physics Division (SPD) Plenary: George Ellery Hale Prize Lecture: Observations about Observations of the Sun, Philip Scherrer (Stanford University), 4:30 pm–5:20 pm, Grand Ballroom DEF		
5:30 pm	<b>Evening Poster Session, Monday Chambliss Judging, and Cash Bar Reception, 5:30 pm–6:30 pm, Midway West</b>		
	<b>102</b> The Solar System	<b>104</b> Education & History	<b>106</b> Solar Physics Division (SPD) Poster Session I
	<b>103</b> Instrumentation: Ground Based or Airborne & Computation	<b>105</b> Extrasolar Planets	
	<b>Evening iPoster, 5:30 pm–6:30 pm, Pegram Room</b>		
	<b>107</b> Solar Physics Division (SPD) Session I	<b>109</b> Extrasolar Planets	<b>131</b> Education, History & Astrobiology
	<b>108</b> Dust & Star Formation	<b>110</b> Cosmology and Related Topics	
	<b>Evening iPoster Plus, 5:30 pm–6:30 pm, Pegram Theater 1</b>		
	<b>128</b> iPoster Plus III: Dust & Star Formation, 5:30 pm–5:50 pm		
	<b>129</b> iPoster Plus IV: Extrasolar Planets, 5:50 pm–6:00 pm		
	<b>130</b> iPoster Plus V: Cosmology & Related Topics, 6:00 pm–6:30 pm		
6:30 pm	<b>132</b> Town Hall: SPD Agency Town Hall, 6:30 pm–8:00 pm, Regency C		
6:40 pm	<b>133</b> AAS Members' Meeting, 6:40 pm–7:30 pm, Grand Ballroom DEF		
7:30 pm	<b>134</b> Town Hall: STScI Town Hall, 7:30 pm–8:30 pm, Grand Ballroom A		

# SCHEDULE • Tuesday, 11 June 2019

TUESDAY

7:30 am	Session Chair Breakfast (Invitation Only), 7:30 am–8:30 am, Link Room		
	Speaker Ready Room, 7:30 am–4:00 pm, Conductor Room		
	Registration, 7:30 am–5:00 pm, Depot Registration Office		
8:30 am	<b>200 Laboratory Astrophysics Division (LAD) Plenary Lecture:</b> The Role of Dust in the Molecular Universe, Xander Tielens (Leiden University, The Netherlands), 8:30 am–9:20 am, Grand Ballroom DEF		
9:30 am	Exhibits, Student Pavilion, & Internet Café, 9:30 am–6:30 pm, Midway West		
	Coffee Break, 9:30 am–10:30 am, Midway West		
	<b>Morning Posters &amp; Tuesday Chambliss Judging, 9:30 am–10:30 am, Midway West</b>		
	<b>201</b> Star Formation, ISM and Related Topics	<b>203</b> Cosmology and Related Topics	<b>205</b> Laboratory Astrophysics Division (LAD)
	<b>202</b> Galaxies & Galaxy Evolution	<b>204</b> Solar Physics Division (SPD), Session II	
	<b>Morning iPosters, 9:30 am–10:30 am, Pegram Room</b>		
	<b>206</b> Solar Physics Division (SPD), Session II	<b>208</b> Instrumentation Space, Ground and Computation	
	<b>207</b> Stars & Friends I	<b>209</b> Laboratory Astrophysics Division (LAD)	
	<b>Morning iPosters Plus, 9:30 am–10:30 am, Pegram Theater 1</b>		
	<b>210</b> iPoster Plus VI: (SPD), Flares, 9:30 am–10:10 am	<b>211</b> iPoster Plus VII: Stars & Friends, 10:10 am–10:30 am	
10:40 am	<b>Oral, Special Sessions, Division Meetings, and Meeting-in-a-Meetings, 10:40 am–12:10 pm</b>		
	<b>212</b> NASA Astrophysics Science SmallSat Studies, Grand Ballroom A	<b>215</b> Stars & Stellar Topics II, Regency A	
	<b>213</b> Laboratory Astrophysics Division Meeting: Bridging Laboratory and Astrophysics: Molecules and Spitzer II, Grand Ballroom B	<b>216</b> Solar Physics Division Meeting (SPD), Flares I, Regency B	
	<b>214</b> Cosmological Probes of Dark Matter Part III, Grand Ballroom C	<b>217</b> Solar Physics Division Meeting (SPD), Photosphere/Chromosphere, Regency C	
11:00 am	Press Conference, 11:00 am–12:00 pm, Illinois Central Room		
12:20 pm	<b>218 Plenary Lecture:</b> The Tools of Precision Measurements in Exoplanet Discovery and Characterization: Peeking under the Hood of the Instruments, Suvrath Mahadevan (Penn State University), 12:20 pm–1:10 pm, Grand Ballroom DEF		
12:00 pm	Lunch Break (Cash Lunch Sales 12:00 pm–2:00 pm) Train Park located in the Exhibit Hall		
1:30 pm	Learning to Utilize Kepler's Unique Dataset for Computing Exoplanet Occurrence Rates, 1:30 pm–4:30 pm, Midway 7&8		



# SCHEDULE • Wednesday, 12 June 2019

WEDNESDAY

7:30 am	Session Chair Breakfast (Invitation Only), 7:30 am–8:30 am, Link Room	
	EPO Volunteer Breakfast (Invitation Only), 7:30 am–8:30 am, Jeffersonian/Knickerbocker Room	
	Speaker Ready Room, 7:30 am–4:00 pm, Conductor Room	
	Registration, 7:30 am–5:00 pm, Depot Registration Office	
8:30 am	<b>300 Plenary Lecture:</b> Transiting Exoplanets: Past, Present, & Future, Joshua Winn (Princeton University), 8:30 am–9:20 am, Grand Ballroom DEF	
9:30 am	Exhibits, Student Pavilion, & Internet Café, 9:30 am–6:30 pm, Midway West	
	<b>Morning Posters &amp; Wednesday Chambliss Judging, 9:30 am–10:30 am, Midway West</b>	
	<b>301</b> Instrumentation: Space Missions	<b>303</b> Stars & Stellar Evolution
	<b>302</b> Solar Physics Division (SPD) III	
	<b>Morning iPosters, 9:30 am–10:30 am, Pegram Room</b>	
	<b>304</b> The Sun, Solar Systems & Public Policy	<b>306</b> Supernovae, AGN & Galaxies
	<b>305</b> Solar Physics Division (SPD) Session III	<b>322</b> Stars & Friends II
	<b>Morning iPosters Plus, 9:30 am–10:30 am, Pegram Theater 1</b>	
	<b>307</b> iPoster Plus IX: (SPD), Eruptions, Photosphere/Chromosphere, Helioseismology and Solar Interior, 9:30 am–10:30 am	
	General Astrophysics and Solar System Science with HabEx, 9:30 am–11:30 am, Midway 7&8	
10:40 am	<b>Oral, Special Sessions, Division Meetings, and Meeting-in-a-Meetings, 10:40 am–12:10 pm</b>	
	<b>308</b> Cosmology & Related Topics, Grand Ballroom A	<b>310</b> Solar Physics Division Meeting (SPD), Flares III, Regency B
	<b>309</b> Laboratory Astrophysics Division Meeting (LAD): Bridging Laboratory and Astrophysics: Molecules and Spitzer III, Grand Ballroom B	<b>311</b> Solar Physics Division Meeting (SPD), DKIST II, Regency C
11:00 am	Press Conference, 11:00 am–12:00 pm, Illinois Central Room	
11:30 am	Local Student Education Outreach Event, 11:30 am–2:30 pm, Grand Ballroom C	
12:20 pm	<b>312 Plenary Lecture:</b> Cosmological Inference from Large Galaxy Surveys, Elisabeth Krause (University of Arizona), 12:20 pm–1:10 pm, Grand Ballroom DEF	
1:00 pm	Astronomy and Human Spaceflight, 1:00 pm–4:00 pm, Midway 7&8	
12:00 pm	Lunch Break (Cash Lunch Sales 12:00 pm–2:00 pm) Train Park located in the Exhibit Hall	
1:15 pm	Career Panel: Diverse Careers in Astrophysics; 1:15 pm–2:40 pm, New York Room	

# SCHEDULE • Wednesday, 12 June 2019 continued

1:40 pm	<b>313</b> Laboratory Astrophysics Division (LAD) Town Hall: Business Meeting, 1:40 pm–2:40 pm, Grand Ballroom A	
	Workshop: Interactive Data Exploration with pywwt, 1:40 pm–2:40 pm, Wabash Cannonball Room	
	NSO: Countdown to DKIST Start of Operations, 1:40 pm–2:40 pm, Grand Ballroom B	
2:50 pm	<b>Oral, Special Sessions, Division Meetings, and Meeting-in-a-Meetings, 2:50 pm–4:20 pm</b>	
	<b>314</b> Laboratory Astrophysics Division Meeting (LAD): Bridging Laboratory and Astrophysics: Exoplanets III, Grand Ballroom A	<b>316</b> ISM & The Milky Way, Regency A
	<b>315</b> WFIRST Ultra-deep Fields II, Grand Ballroom B	<b>317</b> Solar Physics Division Meeting (SPD), Eruptions, Regency B
	<b>321</b> Cosmological Probes of Dark Matter V, Grand Ballroom C	<b>318</b> Solar Physics Division Meeting (SPD), Helioseismology & Interior, Regency C
3:00 pm	Press Conference, 3:00 pm–4:00 pm, Illinois Central Room	
4:30 pm	<b>319</b> Solar Physics Division (SPD) Plenary: Karen Harvey Prize Lecture: Where Do Solar Eruptions Come From?, Anthony Yeates (Durham University), 4:30 pm – 5:20 pm, Grand Ballroom DEF	
5:30 pm	<b>Evening Poster Session, Wednesday Chambliss Judging, and Cash Bar Reception, 5:30 pm–6:30 pm, Midway West</b>	
	<b>301</b> Instrumentation: Space Missions	<b>303</b> Stars & Stellar Evolution
	<b>302</b> Solar Physics Division (SPD) III	
	<b>Evening iPosters, 5:30 pm–6:30 pm, Pegram Room</b>	
	<b>304</b> The Sun, Solar Systems & Public Policy	<b>306</b> Supernovae, AGN & Galaxies
	<b>305</b> Solar Physics Division (SPD) Session III	<b>322</b> Stars & Friends II
6:00 pm	<b>320</b> Solar Physics Division (SPD) Business Meeting, 6:00 pm–7:15 pm, Regency C	
	SunPy 1.0 Tutorial, 6:00 pm–7:00 pm, Grand Ballroom A	
6:30 pm	40+, Donor, and Sponsor Reception (Invitation Only), 6:30 pm–7:30 pm, Gothic Corridor	
	CSWA Meet & Greet, 6:30 pm–7:30 pm, Midway 7&8	
7:15 pm	Solar Physics Division (SPD) Mixer, 7:15 pm–9:15 pm, Midway 5	

# SCHEDULE • Thursday, 13 June 2019

THURSDAY

7:30 am	Session Chair Breakfast (Invitation Only), 7:30 am–8:30 am, Link Room	
	Speaker Ready Room, 7:30 am–10:30 am, Conductor Room	
	Registration, 7:30 am–12:00 pm, Depot Registration Office	
8:30 am	<b>400 Plenary Session:</b> From Native Skywatchers to ASTR 101...New Designs for Interdisciplinary, Multidisciplinary, and Transdisciplinary Engaged Learning Now, Annette S. Lee (St. Cloud State University) and Cahokia Mounds: America's First City, Bill Iseminger (Cahokia Mounds Historic Site), 8:30 am–9:20 am, Grand Ballroom DEF	
9:30 am	Exhibits, Student Pavilion, & Internet Café, 9:30 am–10:30 am, Midway West	
	AAS Closing Breakfast, 9:30 am–10:30 am, Midway West	
	<b>Morning iPosters, 9:30 am–10:30 am, Pegram Room</b>	
	<b>Morning iPoster Plus, 9:30 am–10:30 am, Pegram Theater</b>	
	<b>401 iPoster Plus XI: (SPD), Magnetic Fields, 9:30 am–10:00 am</b>	
10:40 am	<b>Oral, Special Sessions, Division Meetings, and Meeting-in-a-Meetings, 10:40 am–12:10 pm</b>	
	<b>402</b> Solar Physics Division Meeting - Magnetic Fields, Grand Ballroom A	<b>403</b> Gravitational Waves & Instrumentation: Space Missions, Grand Ballroom C
12:20 pm	<b>404 Plenary Lecture:</b> The Apollo Lunar Exploration Program: Scientific Impact and the Road Ahead, James Head (Brown University), 12:20 pm–1:10 pm, Grand Ballroom DEF	
12:00 pm	Lunch Break (Cash Lunch Sales 12:00 pm–1:00 pm) Ballroom Foyer	
2:30 pm	Field Trip to Cahokia Mounds State Historic Site, 2:30 pm–6:00 pm	