

Schedule by Section/Division

Cosponsored sessions are identified in *italic*.

SESSION NO./TITLE	DATE & TIME	LOCATION
Keynote/Plenary Sessions		
Sunday		
21 ASA, CSSA and SSSA Opening Keynote	6:00 PM - 7:00 PM	TCC, Ballroom C
Monday		
24 CSSA Breakfast, Awards, and Plenary (Betty Klepper Endowed Lectureship)	7:00 AM - 9:00 AM	Marriott, Grand Ballroom E and F
Tuesday		
178 SSSA Breakfast, Awards, and Plenary (Nyle C. Brady Frontiers of Soil Science Lectureship)	7:00 AM - 9:00 AM	Marriott, Grand Ballroom E and F
Wednesday		
329 ASA Breakfast, Awards, and Plenary (E.T. & Vam York Distinguished ASA Lectureship)	7:00 AM - 9:00 AM	Marriott, Grand Ballroom E and F
445 ASA, CSSA and SSSA Closing Keynote	5:00 PM - 6:00 PM	TCC, Ballroom C
ASA, CSSA and SSSA Special Sessions		
Monday		
52 Special Session--Career Path Opportunities for Students, Post-Docs, and Early Career Members	9:30 AM - 11:00 AM	TCC, Ballroom D
53 Special Session Symposium--Improving Synergistic Activities between the Agro-Ecosystem and Botanic/Public Garden Communities	9:30 AM - 11:30 AM	TCC, 36
96 Special Session--Relatable Science – Communicating in 2017 Special Session Symposium--How Can We Improve Our Estimates of Indirect N2O Emissions?	10:00 AM - 11:30 AM	TCC, 15
85 Special Session Symposium--Citizen Science, on-Farm Trials and the Future of Agricultural Research	1:30 PM - 3:35 PM	TCC, 21
121 Special Session Symposium--Emeritus and Late-Career Members: Exploring both Retirement Opportunities within our Sciences and Emeritus Membership Opportunities	1:30 PM - 3:30 PM	Marriott, Grand Ballroom I and J
120 Special Session--Behavioral Interviewing Workshop	3:00 PM - 4:30 PM	Marriott, Grand Ballroom G
131 Special Session Symposium--Developing Research and Extension Skills of Students in Integrated Agronomic Systems Poster	3:00 PM - 4:30 PM	TCC, 25
174 Special Session Symposium--Global Ag Company Consolidation: Driving Forces, Legal Challenges and Real Life Merger Examples	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
5:00 PM - 6:40 PM	TCC, 23	
Tuesday		
179 Special Session--Gateway Scholars Orientation and Motivational Program	7:30 AM - 4:00 PM	TCC, 1
193 Special Session--Lab to Field: CCA 4R Nutrient Management and Soil Health Working Together	8:00 AM - 1:00 PM	Marriott, Room 8 and 9
195 Special Session Symposium--The U.S. Global Food Security Strategy: Enhancing Resilience, Increasing Productivity, and Improving Nutrition through Agricultural Research	8:30 AM - 10:30 AM	TCC, Ballroom A
221 Special Session--ACS528 Diversity Student Poster Competition	10:00 AM - 12:00 PM	TCC, East Exhibit Hall
229 Special Session Symposium--The Nutrient Uptake and Outcome Network (NUOnet)	10:10 AM - 12:10 PM	Marriott, Florida Salon VI
239 Special Session--Science Policy Graduate Student Luncheon	12:00 PM - 1:30 PM	Marriott, Grand Ballroom E
273 Special Session--Women in Science Workshop: Connecting Mindfulness and Work-Life Balance	2:00 PM - 4:30 PM	TCC, Ballroom D
328 Screening of "Between Earth and Sky"	7:00 PM - 8:30 PM	TCC, Ballroom D
Wednesday		
341 Special Session Symposium--Humic Products: Uses in Crop Production and Soil Improvement	8:00 AM - 12:00 PM	Marriott, Grand Ballroom B
356 Special Session Symposium--Organic Agriculture Soil Health Research	9:30 AM - 11:35 AM	Marriott, Grand Ballroom G and H

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
353 Special Session Symposium--Soil Organic Matter Management Alternatives in a Smallholder Context	9:30 AM - 10:55 AM	TCC, Ballroom A
385 Special Session--Science and Future of Sustainable Biotechnology-- A Think Tank Session	11:30 AM - 1:00 PM	TCC, 25
Special Session--Relatable Science – Communicating in 2017	1:30 PM - 3:00 PM	TCC, 15
444 Special Session--Science Communicators Reception	3:30 PM - 4:30 PM	TCC, 15
Students of Agronomy, Soils and Environmental Sciences (SASES)		
Friday		
SASES Registration Center	5:00 PM - 9:00 PM	TCC, Registration
1 SASES National Officer Meeting	7:00 PM - 8:00 PM	TCC, 37 and 38
2 SASES Committee Member Meeting	8:00 PM - 9:00 PM	TCC, 37 and 38
Saturday		
SASES Registration	6:00 AM - 7:45 AM	TCC, Registration
3 SASES Tours	6:00 AM - 5:30 PM	TCC, Front Drive
4 Presidents Trophy Competition	7:00 PM - 8:30 PM	TCC, 22 and 23
5 SASES Business Meeting I	8:30 PM - 9:30 PM	TCC, 22 and 23
6 Delegate Training for SASES Clubs	9:30 PM - 10:00 PM	TCC, 22 and 23
7 SASES Dance	10:00 PM - 11:55 PM	TCC, Riverwalk
Sunday		
SASES Registration	7:30 AM - 9:00 AM	TCC, Registration
8 SASES Brunch and Keynote Speaker	9:00 AM - 10:30 AM	Marriott, Grand Ballroom E and F
11 Undergraduate Research Contest - Oral I	12:30 PM - 3:00 PM	Marriott, Grand Ballroom I
12 Undergraduate Research Contest - Oral II	12:30 PM - 3:00 PM	Marriott, Grand Ballroom G
13 SASES National Speech Contest Prelims: I	3:15 PM - 4:45 PM	Marriott, Grand Ballroom I
14 SASES National Speech Contest Prelims: II	3:15 PM - 4:45 PM	Marriott, Grand Ballroom G
16 Hot Topics in Agronomy and Soil Science	3:30 PM - 5:00 PM	Marriott, Florida Salon I-III
20 SASES Club Poster Contest	10:45 AM - 12:15 PM	Marriott, Ballroom F Foyer
Graduate School Forum	7:00 PM - 9:00 PM	TCC, East Exhibit Hall
Exhibits & Career Center Open	7:00 PM - 9:00 PM	TCC, East Exhibit Hall
SASES Elections	8:00 PM - 9:00 PM	TCC, 22 and 23
23 SASES Quiz Bowl	9:15 PM - 11:00 PM	TCC, 22 and 23
Monday		
44 SASES Club Presidents' Round Table	8:30 AM - 10:00 AM	Marriott, Room 8 and 9
22 SASES National Speech Contest - Finals	9:00 AM - 10:00 AM	Marriott, Ballroom G
Graduate School Forum	9:00 AM - 6:00 PM	TCC, East Exhibit Hall
Exhibits & Career Center Open	9:00 AM - 6:00 PM	TCC, East Exhibit Hall
61 CCA Career Accelerator Round Table	10:00 AM - 12:00 PM	Marriott, Room 8 and 9
62 Grad School Workshop for Undergrads	10:00 AM - 12:00 PM	Marriott, Grand Ballroom G
77 Pop in with the Presidents	12:00 PM - 1:30 PM	Marriott, Grand Ballroom E
78 SASES Advisor Luncheon	12:00 PM - 1:30 PM	Marriott, Grand Ballroom A
86 Crops Judging Contest Showcase	1:30 PM - 3:30 PM	TCC, Ballroom D
122 Career Fair	3:00 PM - 6:00 PM	TCC, East Exhibit Hall
132 Undergraduate Research Contest - Poster Section I	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
133 Undergraduate Research Contest - Poster Section II	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
134 Undergraduate Research Contest - Poster Section III	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
135 Undergraduate Research Contest - Poster Section IV	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
136 Undergraduate Research Contest - Poster Section V	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
141 <i>The Internship Experience: My Summer as an Intern</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
175 SASES Awards and Social	7:00 PM - 11:30 PM	Splitsville, 615 Channelside Dr.
Tuesday		
Graduate School Forum	9:00 AM - 6:00 PM	TCC, East Exhibit Hall
Exhibits & Career Center Open	9:00 AM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
Graduate School Forum	9:00 AM - 4:30 PM	TCC, East Exhibit Hall
Exhibits & Career Center Open	9:00 AM - 4:30 PM	TCC, East Exhibit Hall

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SESSION No./TITLE	DATE & TIME	LOCATION
ACS238 Graduate Student Committee		
Saturday		
Special Session--Graduate Student Leadership Conference	1:00 PM - 5:30 PM	Marriott, Grand Ballroom D
Sunday		
Special Session--Graduate Student Leadership Conference	7:30 AM - 2:00 PM	Marriott, Grand Ballroom D
19 Graduate Student Networking Session - Building Professional Relations Workshop	4:00 PM - 6:00 PM	TCC, Ballroom D
Monday		
52 Special Session--Career Path Opportunities for Students, Post-Docs, and Early Career Members	9:30 AM - 11:00 AM	TCC, Ballroom D
79 Special Session--Tips from the Experts on the Job Application and Interviewing Process	1:00 PM - 2:30 PM	TCC, 25
115 Special Session--Communicating Your Science: Messaging for a Greater Impact Workshop	2:00 PM - 3:00 PM	Marriott, Room 8 and 9
120 Special Session--Behavioral Interviewing Workshop	3:00 PM - 4:30 PM	TCC, 25
Tuesday		
204 Special Session--Negotiation Strategies for Early Career Scientists Workshop	9:30 AM - 11:30 AM	TCC, 25
239 Special Session--Science Policy Graduate Student Luncheon	12:00 PM - 1:30 PM	Marriott, Grand Ballroom E
324 Special Session--Elevator Speech Contest for Grad Students and Post-Docs	5:30 PM - 7:00 PM	TCC, 3
Wednesday		
Science Not Silence: An Advocacy Workshop	9:30 AM - 11:00 AM	Marriott, Room 9
385 Special Session--Science and Future of Sustainable Biotechnology- A Think Tank Session	11:30 AM - 1:00 PM	TCC, 25
ACS530 Early Career Members		
Monday		
52 Special Session--Career Path Opportunities for Students, Post-Docs, and Early Career Members	9:30 AM - 11:00 AM	TCC, Ballroom D
79 Special Session--Tips from the Experts on the Job Application and Interviewing Process	1:00 PM - 2:30 PM	TCC, 25
120 Special Session--Behavioral Interviewing Workshop	3:00 PM - 4:30 PM	TCC, 25
Tuesday		
204 Special Session--Negotiation Strategies for Early Career Scientists Workshop	9:30 AM - 11:30 AM	TCC, 25
240 Special Session--Interactive Workshop: Writing Manuscripts for Publication	1:00 PM - 3:00 PM	TCC, 25
280 Special Session--Expert panel: ASA/CSSA/SSSA Journals – From Manuscript Submission to Publishing.	3:15 PM - 5:00 PM	TCC, 25
Wednesday		
405 Special Session--Grant Application Navigation and Resources for Expanding Early Career Opportunities	1:30 PM - 3:30 PM	TCC, 25
ASA Section: Agronomic Production Systems		
Monday		
46 <i>Applied Soybean Research (includes student competition)</i>	8:45 AM - 3:35 PM	Marriott, Room 1
55 <i>Symposium--Economic Viability of Short- Vs Long-Term Cropping Systems</i>	9:30 AM - 11:30 AM	Marriott, Florida Salon VI
104 <i>Crop Ecology, Management and Quality General Oral I</i>	1:30 PM - 3:45 PM	Marriott, Grand Ballroom C
87 <i>Symposium--Engineering Solutions and New Machines for Organic Agriculture</i>	1:30 PM - 3:30 PM	Marriott, Florida Salon I-III
167 <i>General Soil Fertility and Plant Nutrition Poster</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
191 <i>Agronomic Production Systems General Oral</i>	8:00 AM - 11:35 AM	TCC, 3
190 <i>Crop Ecology, Management and Quality General Oral II</i>	8:00 AM - 10:15 AM	TCC, 39
215 <i>Organic Nutrient Sources and Enhancers</i>	9:30 AM - 12:00 PM	TCC, 9
210 <i>Symposium--Current Issues in Soil and Water Management</i>	9:30 AM - 11:35 AM	TCC, 8
237 <i>5 Minute Rapid--Crop Ecology, Management and Quality</i>	11:30 AM - 12:00 PM	TCC, 39
258 <i>Symposium--Long-Term Agro-Ecosystem Research (LTAR)</i>	1:30 PM - 3:35 PM	TCC, 14
249 <i>Symposium--Evapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions</i>	1:30 PM - 3:30 PM	TCC, 9
295 <i>Soil-Plant-Water Relations Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall

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SESSION No./TITLE	DATE & TIME	LOCATION
303 <i>Crop Ecology, Management and Quality General Poster II</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
359 Agronomic Production Systems General Oral II	9:30 AM - 12:00 PM	Marriott, Grand Ballroom D
381 <i>Crop Ecology, Management and Quality General Oral III</i>	10:55 AM - 12:00 PM	Marriott, Room 11
393 ASA Business Meeting--Agronomic Production Systems	1:30 PM - 2:30 PM	TCC, 5
391 <i>Poster and 5 Minute Rapid--Crop Ecology, Management and Quality</i>	1:30 PM - 2:25 PM	TCC, 31
403 <i>Managing Nutrients for Vegetable, Fruit and Specialty Crops</i>	1:30 PM - 3:20 PM	TCC, 36
409 Agronomic Production Systems General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
436 <i>Soil Fertility and Plant Nutrition of Agronomic Crops Poster I</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Applied Soybean Research Community		
Monday		
46 Applied Soybean Research (includes student competition)	8:45 AM - 3:35 PM	Marriott, Room 1
55 <i>Symposium--Economic Viability of Short- Vs Long-Term Cropping Systems</i>	9:30 AM - 11:30 AM	Marriott, Florida Salon VI
Tuesday		
274 <i>Symposium--Double-Cropping Systems for Soybean</i>	2:00 PM - 4:00 PM	TCC, 5
303 <i>Crop Ecology, Management and Quality General Poster II</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
355 <i>Symposium--Using Economic Analyses to Complement Agronomic Data</i>	9:30 AM - 11:30 AM	Marriott, Room 2
Bioenergy Systems Community		
Monday		
25 <i>Symposium--If You Use It, They Will Come: Using Social Media to Gain an Audience for Agriculture</i>	7:50 AM - 9:50 AM	TCC, 10
38 General Bioenergy Systems Oral	8:00 AM - 4:15 PM	Marriott, Grand Ballroom B
Tuesday		
183 <i>Symposium--Impacts of Different Bioenergy Systems on Soil Health</i>	8:00 AM - 10:00 AM	TCC, 4
291 Bioenergy Systems Poster Competition	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
410 General Bioenergy Systems Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Cotton and Other Fibers Community		
Sunday		
15 <i>Symposium--Improving the Competitiveness of Natural Fibers to Increase Market Share</i>	3:00 PM - 5:00 PM	TCC, 7
Monday		
25 <i>Symposium--If You Use It, They Will Come: Using Social Media to Gain an Audience for Agriculture</i>	7:50 AM - 9:50 AM	TCC, 10
Crop Irrigation Strategies and Management Community		
Monday		
88 <i>Symposium--Managing Water and Salinity through Variable Rate Irrigation</i>	1:30 PM - 3:30 PM	Marriott, Room 11
Tuesday		
249 <i>Symposium--Evapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions</i>	1:30 PM - 3:30 PM	TCC, 9
295 <i>Soil-Plant-Water Relations Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Thursday		
<i>Tour the Citrus Research and Education Center in Lake Alfred, Florida</i>	9:00 AM - 3:00 PM	TCC, Front Drive
Nutrient Management Professionals Community		
Monday		
28 General Nutrient Management Oral	7:55 AM - 12:00 PM	Marriott, Florida Salon I-III
161 <i>Approaching Peak Phosphorus and Seeking Alternatives: Linking Reuse, Speciation, and Availability Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
193 <i>Special Session--Lab to Field: CCA 4R Nutrient Management and Soil Health Working Together</i>	8:00 AM - 1:00 PM	Marriott, Room 8 and 9
Wednesday		
403 <i>Managing Nutrients for Vegetable, Fruit and Specialty Crops</i>	1:30 PM - 3:20 PM	TCC, 36
Organic Management Systems Community		
Monday		
87 <i>Symposium--Engineering Solutions and New Machines for Organic Agriculture</i>	1:30 PM - 3:30 PM	Marriott, Florida Salon I-III

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SESSION No./TITLE	DATE & TIME	LOCATION
Tuesday		
200 General Organic Management Systems Oral I (includes student competition)	9:25 AM - 11:45 AM	TCC, 31
292 General Organic Management Systems Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
356 <i>Special Session Symposium--Organic Agriculture Soil Health Research</i>	9:30 AM - 11:35 AM	Marriott, Grand Ballroom G and H
407 General Organic Management Systems Oral II	1:30 PM - 4:05 PM	TCC, 20
Precision Agriculture Systems Community		
Sunday		
<i>Agricultural Drones: Principles and Applications</i>	1:00 PM - 5:00 PM	TCC, 25
Monday		
33 Development of Tools for Precision Agriculture I (includes student competition)	8:00 AM - 10:50 AM	Marriott, Room 3
60 Outcomes of an Innovative Public-Industry Corn Nitrogen Research Partnership	10:00 AM - 11:15 AM	Marriott, Room 2
137 Current Research for Advancing Precision Agriculture Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
223 Symposium--the Role of Precision Ag Tools for Profitability	10:00 AM - 12:00 PM	TCC, 7
269 Development of Tools for Precision Agriculture II	1:30 PM - 4:30 PM	TCC, 8
Wednesday		
402 <i>Symposium--Next Generation Soil Health Assessment</i>	1:30 PM - 3:20 PM	TCC, 18
Professional Applied Agronomists Community		
Monday		
28 <i>General Nutrient Management Oral</i>	7:55 AM - 12:00 PM	Marriott, Florida Salon I-III
Semi-arid Dryland Cropping Systems Community		
Monday		
97 Semiarid Dryland Cropping Systems Oral	1:30 PM - 3:35 PM	Marriott, Florida Salon IV
138 Semiarid Dryland Cropping Systems Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
189 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems I</i>	7:50 AM - 9:45 AM	TCC, 19
222 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems II</i>	10:00 AM - 12:00 PM	TCC, 19
252 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems III</i>	1:30 PM - 3:30 PM	TCC, 19
Sensor-based Nutrient Management Community		
Monday		
54 Symposium--Innovative Applications of Crop Sensors for Improved Nutrient Management	9:30 AM - 11:30 AM	Marriott, Grand Ballroom C
Tuesday		
226 Sensor-Based Nutrient Management Oral Session (contains student competition)	10:10 AM - 11:10 AM	TCC, 4
Soil and Water Management Professionals Community		
Tuesday		
193 <i>Special Session--Lab to Field: CCA 4R Nutrient Management and Soil Health Working Together</i>	8:00 AM - 1:00 PM	Marriott, Room 8 and 9
210 Symposium--Current Issues in Soil and Water Management	9:30 AM - 11:35 AM	TCC, 8
Solar Corridor Crop System Community		
Tuesday		
272 Alternative Cropping Systems and Soil Health	1:30 PM - 4:40 PM	TCC, 7
Weedy and Invasive Plant Species Community		
Monday		
98 Symposium--Future of Weed Science: Thinking Beyond Herbicides in the Agricultural Landscape	1:30 PM - 3:35 PM	Marriott, Room 2
Tuesday		
246 Future of Weed Science: Thinking Beyond Herbicides in the Agricultural Landscape	1:30 PM - 2:55 PM	TCC, 4

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SESSION No./TITLE	DATE & TIME	LOCATION
ASA Section: Biometry and Statistical Computing		
Sunday		
<i>Farm-to-Table: On-Farm Trial Data</i>	1:00 PM - 5:00 PM	TCC, 24
<i>R You Ready for New Tools to Manage Research Resources?</i>	1:00 PM - 5:00 PM	TCC, 20
Monday		
<i>Linear Mixed Models for Plant Scientists with ASReml-R</i>	8:00 AM - 12:00 PM	TCC, 25
Tuesday		
248 Symposium--On-Farm Research: Data Exploration and Analysis	1:30 PM - 3:30 PM	Marriott, Grand Ballroom I and J
281 Round Table--On-Farm Research: Data Exploration and Analysis with Community Planning Sessions	3:30 PM - 4:00 PM	Marriott, Grand Ballroom I and J
287 ASA Business Meeting--Biometry and Statistical Computing	4:00 PM - 4:30 PM	Marriott, Grand Ballroom I and J
Wednesday		
354 <i>Beyond RCBD:Experimental Design for Spatial Variability</i>	9:30 AM - 11:15 AM	Marriott, Florida Salon I-III
384 Bayesian Based Agronomic Decision Systems	11:15 AM - 12:00 PM	Marriott, Florida Salon I-III
<i>Analyzing Repeated Measures Data</i>	1:00 PM - 5:00 PM	TCC, 7
394 Biometry and Statistical Computing General Oral	1:30 PM - 2:30 PM	TCC, 37
411 Biometry and Statistical Computing General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Bioinformatics in Crops and Soils Community		
Tuesday		
247 Symposium--How Is Plant Breeding Evolving with Rapidly Emerging Data Sciences?	1:30 PM - 3:30 PM	Marriott, Grand Ballroom H
281 Round Table--On-Farm Research: Data Exploration and Analysis with Community Planning Sessions	3:30 PM - 4:00 PM	Marriott, Grand Ballroom I and J
Spatial Statistics Applications Community		
Sunday		
<i>Farm-to-Table: On-Farm Trial Data</i>	1:00 PM - 5:00 PM	TCC, 24
Monday		
26 Symposium--Data, Big Data and Statistical Analysis for Soils Investigations	7:55 AM - 10:00 AM	Marriott, Grand Ballroom A
Tuesday		
281 Round Table--On-Farm Research: Data Exploration and Analysis with Community Planning Sessions	3:30 PM - 4:00 PM	Marriott, Grand Ballroom I and J
Wednesday		
354 Beyond RCBD:Experimental Design for Spatial Variability	9:30 AM - 11:15 AM	Marriott, Florida Salon I-III
Statistical Education/Training for Researchers Community		
Sunday		
<i>Farm-to-Table: On-Farm Trial Data</i>	1:00 PM - 5:00 PM	TCC, 24
Monday		
<i>Linear Mixed Models for Plant Scientists with ASReml-R</i>	8:00 AM - 12:00 PM	TCC, 25
Tuesday		
281 Round Table--On-Farm Research: Data Exploration and Analysis with Community Planning Sessions	3:30 PM - 4:00 PM	Marriott, Grand Ballroom I and J
ASA Section: Climatology and Modeling		
Monday		
39 Symposium--Advances in Crop Modeling Applications to Secure Food and Environmental Sustainability	8:10 AM - 11:30 AM	TCC, Ballroom A
75 ASA Business Meeting--Climatology and Modeling	11:30 AM - 11:55 AM	TCC, 6
Tuesday		
180 Climatology and Modeling General Oral I	7:55 AM - 11:45 AM	TCC, 13
295 <i>Soil-Plant-Water Relations Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
364 <i>Soil Carbon and Greenhouse Gas Emissions General Oral II</i>	9:30 AM - 12:15 PM	TCC, 14
360 <i>Climatology and Modeling Oral General II</i>	9:30 AM - 12:00 PM	Marriott, Florida Salon V
412 Climatology and Modeling General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
419 <i>Soil Carbon and Greenhouse Gas Emissions General Poster I</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
Agroclimatology and Agronomic Modeling Community		
Monday		
39 Symposium--Advances in Crop Modeling Applications to Secure Food and Environmental Sustainability	8:10 AM - 11:30 AM	TCC, Ballroom A
Tuesday		
197 <i>Symposium--the Future of Remote Sensing for Agriculture: How This Information Can be Effectively Used for Decision Making</i>	9:00 AM - 11:05 AM	TCC, 5
Wednesday		
360 Climatology and Modeling Oral General II	9:30 AM - 12:00 PM	Marriott, Florida Salon V
Airborne and Satellite Remote Sensing Community		
Sunday		
<i>Agricultural Drones: Principles and Applications</i>	1:00 PM - 5:00 PM	TCC, 25
Monday		
49 Agricultural Remote Sensing General Oral (includes student competition)	9:00 AM - 4:25 PM	TCC, 5
139 Agricultural Remote Sensing General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
197 Symposium--the Future of Remote Sensing for Agriculture: How This Information Can be Effectively Used for Decision Making	9:00 AM - 11:05 AM	TCC, 5
223 <i>Symposium--the Role of Precision Ag Tools for Profitability</i>	10:00 AM - 12:00 PM	TCC, 7
249 <i>Symposium--Evapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions</i>	1:30 PM - 3:30 PM	TCC, 9
Wednesday		
368 <i>Symposium--Proximal and Remote Sensing Techniques in Soil Physics and Hydrology</i>	9:55 AM - 12:00 PM	Marriott, Grand Ballroom I and J
401 <i>Proximal and Remote Sensing Techniques in Soil Physics and Hydrology</i>	1:30 PM - 3:05 PM	Marriott, Grand Ballroom I and J
Biophysical Measurements and Sensors Community		
Tuesday		
249 <i>Symposium--Evapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions</i>	1:30 PM - 3:30 PM	TCC, 9
Wednesday		
358 Symposium--Advances in Characterizing Agriculture's Role in the Nitrogen Cycle: Measurement Methods, Instruments, and Insights	9:30 AM - 11:50 AM	Marriott, Florida Salon IV
Evapotranspiration Measurement and Modeling Community		
Tuesday		
249 Symposium--Evapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions	1:30 PM - 3:30 PM	TCC, 9
293 Evapotranspiration Measurement and Modeling Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
366 Evapotranspiration Measurement and Modeling Oral (includes student competition)	9:40 AM - 11:25 AM	Marriott, Room 3
Global Climate Change Community		
Monday		
30 <i>Symposium--Agricultural Management Practices Effect on Greenhouse Gas Emissions, Mitigation Strategies, and Modeling</i>	8:00 AM - 10:05 AM	TCC, 9
66 AgMIP: Recent Findings of the Agmip Projects	10:20 AM - 11:25 AM	TCC, 6
83 Global Climate Change: More Recent Observations and Adaptations (includes student competition)	1:30 PM - 3:05 PM	TCC, 36
Tuesday		
294 Global Climate Change and AgMIP: More Recent Observations and Adaptations Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
364 <i>Soil Carbon and Greenhouse Gas Emissions General Oral II</i>	9:30 AM - 12:15 PM	TCC, 14
419 <i>Soil Carbon and Greenhouse Gas Emissions General Poster I</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Model Applications in Field Research Community		
Monday		
89 Symposium--Advances in Measuring and Modeling Crop Water Requirements	1:30 PM - 3:30 PM	TCC, 12
140 Examples of Model Applications in Field Research Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
Tuesday		
201 Examples of Model Applications in Field Research Oral	9:25 AM - 3:15 PM	TCC, 12
Sensor-based Water Management Community		
Monday		
88 <i>Symposium--Managing Water and Salinity through Variable Rate Irrigation</i>	1:30 PM - 3:30 PM	Marriott, Room 11
Tuesday		
205 Symposium--A Cross-Section of Sensors for Improving Crop Water Management	9:30 AM - 11:30 AM	TCC, 6
Wednesday		
361 Crop Water Management By Plant or Soil Water Sensors	9:30 AM - 12:00 PM	Marriott, Room 1
368 <i>Symposium--Proximal and Remote Sensing Techniques in Soil Physics and Hydrology</i>	9:55 AM - 12:00 PM	Marriott, Grand Ballroom I and J
401 <i>Proximal and Remote Sensing Techniques in Soil Physics and Hydrology</i>	1:30 PM - 3:05 PM	Marriott, Grand Ballroom I and J
Thursday		
<i>Tour the Citrus Research and Education Center in Lake Alfred, Florida</i>	9:00 AM - 3:00 PM	TCC, Front Drive
Soil-Plant-Water Relations Community		
Monday		
92 <i>Symposium--Technological Advances in Soil Water Conservation and Management</i>	1:30 PM - 3:30 PM	TCC, 31
Tuesday		
205 <i>Symposium--A Cross-Section of Sensors for Improving Crop Water Management</i>	9:30 AM - 11:30 AM	TCC, 6
253 <i>Symposium--Root Physiology: Integration of Molecular Biology to Functional Traits</i>	1:30 PM - 3:30 PM	TCC, 22
295 Soil-Plant-Water Relations Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
361 <i>Crop Water Management By Plant or Soil Water Sensors</i>	9:30 AM - 12:00 PM	Marriott, Room 1
Thursday		
<i>Tour the Citrus Research and Education Center in Lake Alfred, Florida</i>	9:00 AM - 3:00 PM	TCC, Front Drive
ASA Section: Education and Extension		
Tuesday		
259 <i>Partnerships with Private and Public Entities</i>	1:30 PM - 3:35 PM	Marriott, Grand Ballroom D
Wednesday		
357 Education and Extension General Oral	9:30 AM - 11:35 AM	Marriott, Grand Ballroom C
395 ASA Business Meeting--Education and Extension	1:30 PM - 2:30 PM	TCC, 13
413 Education and Extension General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Advancing Agronomy via Public-Private Collaboration Community		
Monday		
141 The Internship Experience: My Summer as an Intern	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
259 <i>Partnerships with Private and Public Entities</i>	1:30 PM - 3:35 PM	Marriott, Grand Ballroom D
Wednesday		
377 <i>Symposium--"Hot" Tools and Technologies from Public- and Private-Sector Agronomy Programs</i>	10:30 AM - 12:00 PM	Marriott, Room 10
Extension Education Community		
Monday		
Extension Materials on Display I	7:00 AM - 6:00 PM	TCC, East Exhibit Hall
103 Extension and Education in Agronomy Oral	1:30 PM - 3:45 PM	Marriott, Room 12
Tuesday		
Extension Materials on Display II	7:00 AM - 6:00 PM	TCC, East Exhibit Hall
184 <i>Symposium--Improving Relevancy and Impact of Extension Programming</i>	8:00 AM - 10:00 AM	Marriott, Grand Ballroom D
233 <i>Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers</i>	10:30 AM - 12:00 PM	Marriott, Room 1
259 Partnerships with Private and Public Entities	1:30 PM - 3:35 PM	Marriott, Grand Ballroom D

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
Wednesday		
	7:00 AM - 4:30 PM	TCC, East Exhibit Hall
355 <i>Symposium--Using Economic Analyses to Complement Agronomic Data</i>	9:30 AM - 11:30 AM	Marriott, Room 2
414 Extension and Education in Agronomy Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
415 Extension Materials on Display Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
K-12 Outreach and Activities Community		
Monday		
42 <i>Soils 101: From the Pulpit to the Pit</i>	8:25 AM - 11:00 AM	TCC, 7
124 Symposium--Agronomy and Technology: Collaborations for Solving Our Workplace Pipeline Problem	3:30 PM - 5:30 PM	Marriott, Room 10
Tuesday		
182 <i>Resources in Education and Outreach for Soils and Agronomy</i>	8:00 AM - 9:35 AM	Marriott, Room 2
Social Media in Education/Extension Community		
Monday		
25 Symposium--If You Use It, They Will Come: Using Social Media to Gain an Audience for Agriculture	7:50 AM - 9:50 AM	TCC, 10
Undergraduate Education Community		
Tuesday		
182 Resources in Education and Outreach for Soils and Agronomy	8:00 AM - 9:35 AM	Marriott, Room 2
296 Undergraduate Education General Poster Session	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
352 Undergraduate Education General Oral Session	9:30 AM - 10:20 AM	Marriott, Room 10
ASA Section: Environmental Quality		
Monday		
30 <i>Symposium--Agricultural Management Practices Effect on Greenhouse Gas Emissions, Mitigation Strategies, and Modeling</i>	8:00 AM - 10:05 AM	TCC, 9
65 <i>Greenhouse Gas Emissions from Integrated-Crop Livestock System Oral</i>	10:10 AM - 12:00 PM	TCC, 9
113 Environmental Quality General Oral	1:30 PM - 4:30 PM	TCC, 6
142 Environmental Quality General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
143 <i>Soil Carbon and Greenhouse Gas Emissions General Poster II (Students' Poster Competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
181 <i>Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate Greenhouse Gas Emissions Oral</i>	7:55 AM - 12:00 PM	TCC, 24
198 <i>Soil Carbon and Greenhouse Gas Emissions General Oral I (Student's Oral Competition)</i>	9:00 AM - 11:50 AM	TCC, 33
283 <i>Round Table--Beyond Indicators and Tradeoffs: Translating Sustainable Intensification Assessments into Action</i>	3:30 PM - 5:00 PM	Marriott, Room 8 and 9
297 <i>Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate Greenhouse Gas Emissions Poster</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
364 <i>Soil Carbon and Greenhouse Gas Emissions General Oral II</i>	9:30 AM - 12:15 PM	TCC, 14
370 <i>Nutrient Management: Science, Laws and Regulations</i>	10:00 AM - 11:25 AM	TCC, 8
389 ASA Business Meeting--Environmental Quality	1:00 PM - 2:30 PM	TCC, 8
419 <i>Soil Carbon and Greenhouse Gas Emissions General Poster I</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Animal Agriculture and the Environment Community		
Saturday		
<i>Tour of MacArthur Agro-ecology Research Center</i>	8:00 AM - 6:00 PM	TCC, Front Drive
Monday		
40 Symposium--Beef and Dairy Systems: Economics and Environmental Footprint	8:15 AM - 10:15 AM	TCC, 31
67 <i>Nutrient Dynamics and Management in Livestock Production Systems Oral (includes student competition)</i>	10:25 AM - 11:55 AM	TCC, 1
Wednesday		
335 <i>Symposium--Building Soil Organic Matter and Improving Soil Function in Grazing Lands</i>	8:00 AM - 10:00 AM	TCC, 19
416 Beef and Dairy Systems: Economics and Environmental Footprint Poster (includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
417 <i>Nutrient Dynamics and Management in Dairy and Beef Cattle Production Systems Poster (includes student competition)</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
419 <i>Soil Carbon and Greenhouse Gas Emissions General Poster I</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall

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SESSION No./TITLE	DATE & TIME	LOCATION
Biochar: Agronomic and Environmental Uses Community		
Monday		
99 Biochar Production and Technology: Global Advancement, Risks and Success	1:30 PM - 3:35 PM	TCC, Ballroom A
144 Where the Rubber Meets the Road: Production, Novel and Real World Uses of Biochars - Poster Part 2 (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
251 Symposium--Growing Relationships: Biochar Connections to Global Sustainability of Soil, Food, Energy and Environment	1:30 PM - 3:30 PM	TCC, Ballroom A
Wednesday		
362 Amending Degraded Soils with Biochar to Promote Revitalization: The Chemistry, Physics and Biology of Biochar Mediated Soil Revitalization	9:30 AM - 12:00 PM	TCC, 21
By-product Gypsum Uses in Agriculture Community		
Monday		
82 By-Product Gypsum Uses in Agriculture General Oral	1:30 PM - 2:55 PM	TCC, 8
Managing Denitrification in Agronomic Systems Community		
Monday		
84 Enhanced-Denitrification Technologies (includes student competition)	1:30 PM - 3:20 PM	TCC, 4
Nutrients and Environmental Quality Community		
Monday		
30 <i>Symposium--Agricultural Management Practices Effect on Greenhouse Gas Emissions, Mitigation Strategies, and Modeling</i>	8:00 AM - 10:05 AM	TCC, 9
67 Nutrient Dynamics and Management in Livestock Production Systems Oral (includes student competition)	10:25 AM - 11:55 AM	TCC, 1
114 <i>Approaching Peak Phosphorus and Seeking Alternatives: Linking Reuse, Speciation, and Availability Oral (includes student competition)</i>	1:45 PM - 3:35 PM	TCC, 38
Tuesday		
216 <i>Managing, Manipulating, and Predicting Phosphorus Losses in Phosphorus Saturated Soils: Current State of the Science Oral (includes student competition)</i>	9:30 AM - 12:00 PM	Marriott, Room 4
243 Symposium--Sea Level Rise Impacts on Coastal Soil Quality and Nutrient Dynamics	1:25 PM - 4:00 PM	TCC, 24
255 <i>CrossDiv--Symposium--Agroforestry for Sustainable Resource Management and Food Security</i>	1:30 PM - 3:30 PM	TCC, 18
318 <i>Managing, Manipulating, and Predicting Phosphorus Losses in Phosphorus Saturated Soils: Current State of the Science Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
365 Nutrient Source Control at the Field, Farm and Watershed Scales (includes student competition)	9:30 AM - 4:15 PM	TCC, 12
364 <i>Soil Carbon and Greenhouse Gas Emissions General Oral II</i>	9:30 AM - 12:15 PM	TCC, 14
370 Nutrient Management: Science, Laws and Regulations	10:00 AM - 11:25 AM	TCC, 8
417 Nutrient Dynamics and Management in Dairy and Beef Cattle Production Systems Poster (includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
418 Nutrient Management and Environmental Quality General Poster (includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
419 <i>Soil Carbon and Greenhouse Gas Emissions General Poster I</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Soil Carbon and Greenhouse Gas Emissions Community		
Monday		
30 Symposium--Agricultural Management Practices Effect on Greenhouse Gas Emissions, Mitigation Strategies, and Modeling	8:00 AM - 10:05 AM	TCC, 9
65 Greenhouse Gas Emissions from Integrated-Crop Livestock System Oral	10:10 AM - 12:00 PM	TCC, 9
96 <i>Special Session Symposium--How Can We Improve Our Estimates of Indirect N₂O Emissions?</i>	1:30 PM - 3:35 PM	TCC, 21
143 Soil Carbon and Greenhouse Gas Emissions General Poster II (Students' Poster Competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
181 Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate Greenhouse Gas Emissions Oral	7:55 AM - 12:00 PM	TCC, 24
198 Soil Carbon and Greenhouse Gas Emissions General Oral I (Student's Oral Competition)	9:00 AM - 11:50 AM	TCC, 33

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SESSION No./TITLE	DATE & TIME	LOCATION
297 Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate Greenhouse Gas Emissions Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
364 Soil Carbon and Greenhouse Gas Emissions General Oral II	9:30 AM - 12:15 PM	TCC, 14
419 Soil Carbon and Greenhouse Gas Emissions General Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Sustainable Intensification Community		
Monday		
30 <i>Symposium--Agricultural Management Practices Effect on Greenhouse Gas Emissions, Mitigation Strategies, and Modeling</i>	8:00 AM - 10:05 AM	TCC, 9
68 Sustainable Intensification in Integrated Crop-Livestock Systems	10:25 AM - 12:00 PM	TCC, 31
Tuesday		
250 Symposium--Beyond Indicators and Tradeoffs: Translating Sustainable Intensification Assessments into Action	1:30 PM - 3:30 PM	Marriott, Room 8 and 9
283 Round Table--Beyond Indicators and Tradeoffs: Translating Sustainable Intensification Assessments into Action	3:30 PM - 5:00 PM	Marriott, Room 8 and 9
322 Launch of the Sustainable Intensification Assessment Framework	5:00 PM - 6:45 PM	Marriott, Room 8 and 9
Wednesday		
364 <i>Soil Carbon and Greenhouse Gas Emissions General Oral II</i>	9:30 AM - 12:15 PM	TCC, 14
419 <i>Soil Carbon and Greenhouse Gas Emissions General Poster I</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
ASA Section: Global Agronomy		
Sunday		
<i>ECHO - Global Farm for Fighting World Hunger</i>	8:00 AM - 5:00 PM	TCC, Front Drive
Monday		
25 <i>Symposium--If You Use It, They Will Come: Using Social Media to Gain an Audience for Agriculture</i>	7:50 AM - 9:50 AM	TCC, 10
47 <i>Symposium--Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity</i>	8:55 AM - 11:00 AM	TCC, 10
145 <i>Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
195 <i>Special Session Symposium--The U.S. Global Food Security Strategy: Enhancing Resilience, Increasing Productivity, and Improving Nutrition through Agricultural Research</i>	8:30 AM - 10:30 AM	TCC, Ballroom A
241 Global Agronomy General Oral	1:00 PM - 3:50 PM	Marriott, Room 4
286 ASA Business Meeting--Global Agronomy	3:50 PM - 4:30 PM	Marriott, Room 4
322 Launch of the Sustainable Intensification Assessment Framework	5:00 PM - 6:45 PM	Marriott, Room 8 and 9
Wednesday		
383 <i>Symposium--Soil Organic Matter Management Alternatives for Smallholders</i>	11:00 AM - 12:20 PM	TCC, Ballroom A
420 Global Agronomy General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Thursday		
<i>Global Agronomy Tour of the Gulf Coast Research & Education Center</i>	8:00 AM - 12:00 PM	TCC, Front Drive
Agronomic Solutions for Smallholders Community		
Tuesday		
233 <i>Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers</i>	10:30 AM - 12:00 PM	Marriott, Room 1
Wednesday		
353 <i>Special Session Symposium--Soil Organic Matter Management Alternatives in a Smallholder Context</i>	9:30 AM - 10:55 AM	TCC, Ballroom A
383 <i>Symposium--Soil Organic Matter Management Alternatives for Smallholders</i>	11:00 AM - 12:20 PM	TCC, Ballroom A
Agronomy in Africa Community		
Monday		
47 <i>Symposium--Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity</i>	8:55 AM - 11:00 AM	TCC, 10
145 <i>Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
233 <i>Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers</i>	10:30 AM - 12:00 PM	Marriott, Room 1
322 <i>Launch of the Sustainable Intensification Assessment Framework</i>	5:00 PM - 6:45 PM	Marriott, Room 8 and 9

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SESSION No./TITLE	DATE & TIME	LOCATION
Wednesday		
353 <i>Special Session Symposium--Soil Organic Matter Management Alternatives in a Smallholder Context</i>	9:30 AM - 10:55 AM	TCC, Ballroom A
383 <i>Symposium--Soil Organic Matter Management Alternatives for Smallholders</i>	11:00 AM - 12:20 PM	TCC, Ballroom A
Gaining Access to Agronomic Inputs Community		
Monday		
47 Symposium--Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity	8:55 AM - 11:00 AM	TCC, 10
145 Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Global Digital Soil Map Community		
Tuesday		
233 <i>Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers</i>	10:30 AM - 12:00 PM	Marriott, Room 1
Perennial Grain Development Community		
Tuesday		
231 5 Minute Rapid--Perennial Grain Development	10:20 AM - 11:45 AM	Marriott, Room 10
Tropical Legumes Community		
Monday		
47 <i>Symposium--Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity</i>	8:55 AM - 11:00 AM	TCC, 10
145 <i>Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
196 Symposium--Building Institutional Capacity in Tropical Legumes	9:00 AM - 10:10 AM	Marriott, Room 10
298 Tropical Legumes General Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
373 Tropical Legumes General Oral (includes student competition)	10:00 AM - 11:40 AM	TCC, 3
U.S.-Sino Agricultural Research Forum Community		
Monday		
63 Symposium--Managing Water Resources for a Secure Future	10:00 AM - 12:05 PM	TCC, 11
110 Managing Water Resources for a Secure Future Oral	1:30 PM - 4:05 PM	Marriott, Room 3
146 Managing Water Resources for a Secure Future Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wheat Initiative Agronomists Community		
Tuesday		
185 Symposium--Understanding the Yield Gap in World-Wide Wheat Production and the Opportunities for International Collaboration	8:00 AM - 10:00 AM	Marriott, Grand Ballroom C
227 Understanding the Yield Gap in World-Wide Wheat Production and the Opportunities for International Collaboration Oral	10:10 AM - 12:00 PM	Marriott, Grand Ballroom C
ASA Section: Land Management and Conservation		
Tuesday		
272 <i>Alternative Cropping Systems and Soil Health</i>	1:30 PM - 4:40 PM	TCC, 7
Wednesday		
374 <i>Symposium--Giants of Agricultural Progress and Impacts from Public Agricultural Research</i>	10:10 AM - 12:10 PM	TCC, 19
390 Land Management and Conservation General Oral	1:20 PM - 2:30 PM	TCC, 1
421 Land Management and Conservation General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
441 ASA Business Meeting--Land Management and Conservation	2:45 PM - 3:15 PM	TCC, 1
Cover Crop Management Community		
Monday		
29 Cover Crop Management Oral (includes student competition)	7:55 AM - 12:35 PM	TCC, 13
147 Cover Crop Management Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
131 <i>Special Session Symposium--Developing Research and Extension Skills of Students in Integrated Agronomic Systems Poster</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
189 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems I</i>	7:50 AM - 9:45 AM	TCC, 19

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
222 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems II</i>	10:00 AM - 12:00 PM	TCC, 19
252 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems III</i>	1:30 PM - 3:30 PM	TCC, 19
Wednesday		
363 <i>Economics of Cover Crops and Impact on Crop Productivity</i>	9:30 AM - 12:00 PM	TCC, 18
Soil Health Community		
Monday		
56 <i>Synergy in Soil Health: Integrated Practices for Agroecosystem Management</i>	9:30 AM - 12:00 PM	Marriott, Room 4
80 <i>CrossDiv--Symposium--Innovative Soil Health Research</i>	1:00 PM - 5:00 PM	Marriott, Room 5 and 6
159 <i>Synergy and Soil Health: Integrated Practices for Agroecosystem Management Poster</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
193 <i>Special Session--Lab to Field: CCA 4R Nutrient Management and Soil Health Working Together</i>	8:00 AM - 1:00 PM	Marriott, Room 8 and 9
270 <i>Soil Health for Agroecosystems Oral</i>	1:30 PM - 4:30 PM	TCC, 3
272 <i>Alternative Cropping Systems and Soil Health</i>	1:30 PM - 4:40 PM	TCC, 7
275 <i>Symposium--Importance of Soil Health to Food Security: National and Global Security Concerns</i>	2:00 PM - 4:00 PM	Marriott, Room 3
299 <i>Soil Health for Agroecosystems Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
335 <i>Symposium--Building Soil Organic Matter and Improving Soil Function in Grazing Lands</i>	8:00 AM - 10:00 AM	TCC, 19
364 <i>Soil Carbon and Greenhouse Gas Emissions General Oral II</i>	9:30 AM - 12:15 PM	TCC, 14
356 <i>Special Session Symposium--Organic Agriculture Soil Health Research</i>	9:30 AM - 11:35 AM	Marriott, Grand Ballroom G and H
402 <i>Symposium--Next Generation Soil Health Assessment</i>	1:30 PM - 3:20 PM	TCC, 18
396 <i>National and International Policy and Incentives for Soil Health</i>	1:30 PM - 2:30 PM	TCC, 3
C01 Crop Breeding and Genetics		
Monday		
50 <i>Crop Breeding & Genetics Oral I</i>	9:20 AM - 11:30 AM	TCC, 24
64 <i>Symposium--Next Generation Trait Mapping & Molecular Breeding for Accelerating Genetic Gains</i>	10:00 AM - 12:05 PM	TCC, 21
76 <i>Poster and 5 Minute Rapid--Crop Breeding & Genetics Oral II</i>	11:30 AM - 12:15 PM	TCC, 24
90 <i>Symposium--Physiological Traits for High Throughput Phenotyping of Abiotic Stress Tolerance</i>	1:30 PM - 3:30 PM	Marriott, Florida Salon V
148 <i>Crop Breeding & Genetics Poster I (includes graduate student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
186 <i>Symposium--Training Plant Breeders to Design and Manage 21st Century Cultivar Development Pipelines</i>	8:00 AM - 10:00 AM	Marriott, Florida Salon VI
194 <i>Ron Phillips Plant Genetics Lectureship</i>	8:30 AM - 9:35 AM	Marriott, Florida Salon V
225 <i>Symposium--Genome Editing Technologies for Crop Improvement</i>	10:00 AM - 12:05 PM	Marriott, Florida Salon V
253 <i>Symposium--Root Physiology: Integration of Molecular Biology to Functional Traits</i>	1:30 PM - 3:30 PM	TCC, 22
247 <i>Symposium--How Is Plant Breeding Evolving with Rapidly Emerging Data Sciences?</i>	1:30 PM - 3:30 PM	Marriott, Grand Ballroom H
260 <i>Symposium--the Bridge from Biofortification to Bioavailability</i>	1:30 PM - 3:35 PM	TCC, 11
301 <i>Crop Breeding & Genetics Poster III</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
300 <i>Crop Breeding & Genetics Poster II</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
333 <i>Crop Breeding & Genetics Oral III : Focus on Phenotyping</i>	8:00 AM - 9:40 AM	Marriott, Florida Salon VI
336 <i>Symposium--Phenotyping Plant Genetic Resources to Support Climate Smart Agriculture</i>	8:00 AM - 10:00 AM	TCC, 1
374 <i>Symposium--Giants of Agricultural Progress and Impacts from Public Agricultural Research</i>	10:10 AM - 12:10 PM	TCC, 19
388 <i>5 Minute Rapid: Crop Breeding & Genetics Oral IV</i>	1:00 PM - 1:45 PM	TCC, 9
408 <i>CSSA Business Meeting--Joint Division C01 and C07</i>	1:45 PM - 2:30 PM	TCC, 9
C02 Crop Physiology and Metabolism		
Sunday		
17 <i>Graduate Student Oral Competition</i>	3:40 PM - 5:30 PM	TCC, 13

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
Monday		
59 Crop Physiology and Metabolism General Oral I	9:40 AM - 12:00 PM	TCC, 3
64 <i>Symposium--Next Generation Trait Mapping & Molecular Breeding for Accelerating Genetic Gains</i>	10:00 AM - 12:05 PM	TCC, 21
71 Martin and Ruth Massengale Lectureship	11:00 AM - 12:00 PM	TCC, 20
90 Symposium--Physiological Traits for High Throughput Phenotyping of Abiotic Stress Tolerance	1:30 PM - 3:30 PM	Marriott, Florida Salon V
149 Graduate Student Poster Competition	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
192 Crop Physiology and Metabolism General Oral II	8:00 AM - 12:00 PM	Marriott, Grand Ballroom B
253 Symposium--Root Physiology: Integration of Molecular Biology to Functional Traits	1:30 PM - 3:30 PM	TCC, 22
302 Crop Physiology and Metabolism Poster I	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
337 Crop Physiology and Metabolism General Oral III	8:00 AM - 10:35 AM	TCC, 5
379 CSSA Business Meeting--Crop Physiology and Metabolism	10:40 AM - 11:40 AM	TCC, 5
422 Crop Physiology and Metabolism Poster II	2:30 PM - 4:30 PM	TCC, East Exhibit Hall

C03 Crop Ecology, Management and Quality

Monday		
55 Symposium--Economic Viability of Short- Vs Long-Term Cropping Systems	9:30 AM - 11:30 AM	Marriott, Florida Salon VI
104 Crop Ecology, Management and Quality General Oral I	1:30 PM - 3:45 PM	Marriott, Grand Ballroom C
90 <i>Symposium--Physiological Traits for High Throughput Phenotyping of Abiotic Stress Tolerance</i>	1:30 PM - 3:30 PM	Marriott, Florida Salon V
150 Crop Ecology, Management and Quality General Poster I	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
131 <i>Special Session Symposium--Developing Research and Extension Skills of Students in Integrated Agronomic Systems Poster</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
190 Crop Ecology, Management and Quality General Oral II	8:00 AM - 10:15 AM	TCC, 39
189 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems I</i>	7:50 AM - 9:45 AM	TCC, 19
222 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems II</i>	10:00 AM - 12:00 PM	TCC, 19
230 Poster and 5 Minute Rapid--Ph.D. Grad Student Oral Competition	10:15 AM - 11:30 AM	TCC, 39
237 5 Minute Rapid--Crop Ecology, Management and Quality	11:30 AM - 12:00 PM	TCC, 39
258 <i>Symposium--Long-Term Agro-Ecosystem Research (LTAR)</i>	1:30 PM - 3:35 PM	TCC, 14
252 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems III</i>	1:30 PM - 3:30 PM	TCC, 19
274 Symposium--Double-Cropping Systems for Soybean	2:00 PM - 4:00 PM	TCC, 5
303 Crop Ecology, Management and Quality General Poster II	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
304 M.S. Grad Student Poster Competition	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
350 CSSA Business Meeting--Crop Ecology, Management and Quality	9:15 AM - 10:45 AM	Marriott, Room 11
355 <i>Symposium--Using Economic Analyses to Complement Agronomic Data</i>	9:30 AM - 11:30 AM	Marriott, Room 2
381 Crop Ecology, Management and Quality General Oral III	10:55 AM - 12:00 PM	Marriott, Room 11
391 Poster and 5 Minute Rapid--Crop Ecology, Management and Quality	1:30 PM - 2:25 PM	TCC, 31
423 Crop Ecology, Management and Quality General Poster III	2:30 PM - 4:30 PM	TCC, East Exhibit Hall

C04 Seed Physiology, Production and Technology

Monday		
100 Symposium--the Prominent Role of Plant Genetic Resources: Endophytes and Discovering the Plant Microbiome	1:30 PM - 3:35 PM	Marriott, Grand Ballroom H
Tuesday		
187 Symposium--Improving Foods Using Seed Bioproducts	8:00 AM - 10:00 AM	Marriott, Florida Salon IV
245 Seed Physiology, Production and Technology General Oral	1:30 PM - 2:30 PM	TCC, 31
260 Symposium--the Bridge from Biofortification to Bioavailability	1:30 PM - 3:35 PM	TCC, 11
278 CSSA Business Meeting--Seed Physiology, Production and Technology	2:30 PM - 3:15 PM	TCC, 31
Wednesday		
336 Symposium--Phenotyping Plant Genetic Resources to Support Climate Smart Agriculture	8:00 AM - 10:00 AM	TCC, 1
375 Symposium--the Role of Seeds in Conservation of Genetic Resources and Landscapes	10:10 AM - 12:10 PM	TCC, 1

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
C05 Turfgrass Science		
Sunday		
18 Turf Industry Session	4:00 PM - 5:30 PM	TCC, 14
Monday		
57 Turf Ecology and Management (includes student competition)	9:30 AM - 12:15 PM	TCC, 22
58 Turf Nutrition, Soils-Rootzones and Water Quality (includes student competition)	9:30 AM - 12:15 PM	TCC, 23
71 Martin and Ruth Massengale Lectureship	11:00 AM - 12:00 PM	TCC, 20
105 Turf Management and Ecology (includes student competition)	1:30 PM - 3:45 PM	TCC, 24
117 Molecular Techniques, Turf Genetics and Breeding (includes student competition)	2:30 PM - 4:05 PM	TCC, 23
125 Symposium--Water in the Urban Environment: Availability, Policy, Design and Conservation Efforts	3:30 PM - 6:30 PM	TCC, 22
174 <i>Special Session Symposium--Global Ag Company Consolidation: Driving Forces, Legal Challenges and Real Life Merger Examples</i>	5:00 PM - 6:40 PM	TCC, 23
Tuesday		
188 Turf Pests: Diseases and Insects (includes student competition)	8:00 AM - 10:00 AM	TCC, 23
224 Applied Pest Management (includes student competition)	10:00 AM - 12:00 PM	TCC, 23
254 Turf Pest Management: Insects and Diseases	1:30 PM - 3:30 PM	Marriott, Grand Ballroom B
271 Turf Weed Management and Plant Growth Regulators (includes student competition)	1:30 PM - 4:30 PM	Marriott, Florida Salon IV
267 Turf Physiology, Breeding and Genetics	1:30 PM - 4:15 PM	Marriott, Florida Salon I-III
308 Turf Science and Management General Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
307 Turf Management: Pests Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
305 Sports and Golf Turf Management Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
306 Turf Fertility, Nutrition and Water Quality Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
344 5 Minute Rapid--General Turf Topics and USGA-GCSAA Research	8:15 AM - 9:30 AM	TCC, 23
367 CSSA Business Meeting--Turf Science <i>Analyzing Repeated Measures Data</i>	9:50 AM - 12:00 PM 1:00 PM - 5:00 PM	TCC, 23 TCC, 7
C06 Forage and Grazinglands		
Sunday		
<i>South Florida Grazinglands Tour</i>	6:30 AM - 5:00 PM	TCC, Front Drive
Monday		
51 Robert F Barnes Ph.D. Oral Contest	9:25 AM - 2:30 PM	TCC, 19
71 Martin and Ruth Massengale Lectureship	11:00 AM - 12:00 PM	TCC, 20
100 <i>Symposium--the Prominent Role of Plant Genetic Resources: Endophytes and Discovering the Plant Microbiome</i>	1:30 PM - 3:35 PM	Marriott, Grand Ballroom H
118 Forage and Grazinglands -- New Developments	2:30 PM - 4:05 PM	TCC, 19
151 Robert F Barnes M.S. Poster Contest	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
189 Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems I	7:50 AM - 9:45 AM	TCC, 19
222 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems II</i>	10:00 AM - 12:00 PM	TCC, 19
253 <i>Symposium--Root Physiology: Integration of Molecular Biology to Functional Traits</i>	1:30 PM - 3:30 PM	TCC, 22
252 <i>Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems III</i>	1:30 PM - 3:30 PM	TCC, 19
309 Forages in the Intermediate South and Southern Plains Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
335 Symposium--Building Soil Organic Matter and Improving Soil Function in Grazing Lands	8:00 AM - 10:00 AM	TCC, 19
374 Symposium--Giants of Agricultural Progress and Impacts from Public Agricultural Research <i>Analyzing Repeated Measures Data</i>	10:10 AM - 12:10 PM 1:00 PM - 5:00 PM	TCC, 19 TCC, 7
397 CSSA Business Meeting--Forage and Grazinglands	1:30 PM - 2:30 PM	TCC, 19
424 Forages in Florida and the Tropics Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
425 Forages in Northern Areas Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
C07 Genomics, Molecular Genetics and Biotechnology		
Monday		
64 Symposium--Next Generation Trait Mapping & Molecular Breeding for Accelerating Genetic Gains	10:00 AM - 12:05 PM	TCC, 21
106 Genomics, Molecular Genetics and Biotechnology General Oral	1:30 PM - 3:45 PM	Marriott, Florida Salon VI
127 Poster and 5 Minute Rapid--Genomics, Molecular Genetics and Biotechnology	3:45 PM - 4:35 PM	Marriott, Florida Salon VI
152 Genomics, Molecular Genetics and Biotechnology General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
194 Ron Phillips Plant Genetics Lectureship	8:30 AM - 9:35 AM	Marriott, Florida Salon V
225 Symposium--Genome Editing Technologies for Crop Improvement	10:00 AM - 12:05 PM	Marriott, Florida Salon V
266 Genomics, Molecular Biology and Biotechnology	1:30 PM - 3:50 PM	TCC, 23
247 <i>Symposium--How Is Plant Breeding Evolving with Rapidly Emerging Data Sciences?</i>	1:30 PM - 3:30 PM	Marriott, Grand Ballroom H
253 <i>Symposium--Root Physiology: Integration of Molecular Biology to Functional Traits</i>	1:30 PM - 3:30 PM	TCC, 22
Wednesday		
374 <i>Symposium--Giants of Agricultural Progress and Impacts from Public Agricultural Research</i>	10:10 AM - 12:10 PM	TCC, 19
408 CSSA Business Meeting--Joint Division C01 and C07	1:45 PM - 2:30 PM	TCC, 9
C08 Plant Genetic Resources		
Sunday		
<i>Germplasm Foray to Fort De Soto</i>	9:00 AM - 1:00 PM	TCC, Front Drive
Monday		
64 <i>Symposium--Next Generation Trait Mapping & Molecular Breeding for Accelerating Genetic Gains</i>	10:00 AM - 12:05 PM	TCC, 21
100 Symposium--the Prominent Role of Plant Genetic Resources: Endophytes and Discovering the Plant Microbiome	1:30 PM - 3:35 PM	Marriott, Grand Ballroom H
90 <i>Symposium--Physiological Traits for High Throughput Phenotyping of Abiotic Stress Tolerance</i>	1:30 PM - 3:30 PM	Marriott, Florida Salon V
126 CSSA Business Meeting--Plant Genetic Resources	3:35 PM - 4:20 PM	Marriott, Grand Ballroom H
Tuesday		
177 Frank N. Meyer Medal for Plant Genetic Resources Breakfast and Award	6:50 AM - 7:50 AM	Marriott, Room 6
187 <i>Symposium--Improving Foods Using Seed Bioproducts</i>	8:00 AM - 10:00 AM	Marriott, Florida Salon IV
186 <i>Symposium--Training Plant Breeders to Design and Manage 21st Century Cultivar Development Pipelines</i>	8:00 AM - 10:00 AM	Marriott, Florida Salon VI
194 Ron Phillips Plant Genetics Lectureship	8:30 AM - 9:35 AM	Marriott, Florida Salon V
232 Poster and 5 Minute Rapid--Plant Genetic Resources	10:30 AM - 11:00 AM	Marriott, Florida Salon IV
236 Calvin Sperling Memorial Biodiversity Lectureship	11:00 AM - 12:00 PM	Marriott, Florida Salon IV
268 Plant Genetic Resources General Oral	1:30 PM - 4:20 PM	TCC, 1
310 Plant Genetic Resources General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
336 Symposium--Phenotyping Plant Genetic Resources to Support Climate Smart Agriculture	8:00 AM - 10:00 AM	TCC, 1
375 <i>Symposium--the Role of Seeds in Conservation of Genetic Resources and Landscapes</i>	10:10 AM - 12:10 PM	TCC, 1
374 <i>Symposium--Giants of Agricultural Progress and Impacts from Public Agricultural Research</i>	10:10 AM - 12:10 PM	TCC, 19
C09 Biomedical, Health-Beneficial and Nutritionally Enhanced Plants		
Tuesday		
194 Ron Phillips Plant Genetics Lectureship	8:30 AM - 9:35 AM	Marriott, Florida Salon V
260 Symposium--the Bridge from Biofortification to Bioavailability	1:30 PM - 3:35 PM	TCC, 11
284 Poster and 5 Minute Rapid--Biomedical, Health-Beneficial and Nutritionally Enhanced Plants	3:45 PM - 4:20 PM	TCC, 11
311 Biomedical, Health-Beneficial and Nutritionally Enhanced Plants General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
351 Symposium--Soil and Fertilizer Management for Food Crops to Improve Human Mineral Nutrition	9:15 AM - 11:05 AM	TCC, 11

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
374 Symposium--Giants of Agricultural Progress and Impacts from Public Agricultural Research	10:10 AM - 12:10 PM	TCC, 19
392 Biomedical, Health-Beneficial and Nutritionally Enhanced Plants General Oral	1:30 PM - 2:25 PM	TCC, 11
440 CSSA Business Meeting--Biomedical, Health-Beneficial and Nutritionally Enhanced Plants	2:40 PM - 3:40 PM	TCC, 11
SSSA Cross-Divisional Symposium		
Monday		
80 CrossDiv--Symposium--Innovative Soil Health Research	1:00 PM - 5:00 PM	Marriott, Room 5 and 6
91 CrossDiv--Symposium--Global Impacts of Environmental Contamination II	1:30 PM - 3:30 PM	TCC, 18
Tuesday		
255 CrossDiv--Symposium--Agroforestry for Sustainable Resource Management and Food Security	1:30 PM - 3:30 PM	TCC, 18
SSSA Division: Consulting Soil Scientists		
Sunday		
9 SSSA Business Meeting--Consulting Soil Scientists	10:00 AM - 11:45 AM	TCC, 4
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
26 Symposium--Data, Big Data and Statistical Analysis for Soils Investigations	7:55 AM - 10:00 AM	Marriott, Grand Ballroom A
52 <i>Special Session--Career Path Opportunities for Students, Post-Docs, and Early Career Members</i>	9:30 AM - 11:00 AM	TCC, Ballroom D
Tuesday		
206 Symposium--Tools and Technologies for Consulting Soil Scientists	9:30 AM - 11:30 AM	Marriott, Room 6
Wednesday		
<i>Mosaic Phosphate Mine</i>	7:30 AM - 4:00 PM	TCC, Front Drive
SSSA Division: Forest, Range and Wildland Soils		
Sunday		
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
27 Forest, Range and Wildland Soils General Oral	7:55 AM - 11:25 AM	Marriott, Florida Salon V
70 <i>Sustainable Soils in Urban Environments-Urban Forestry, Water, Carbon, Mapping, Assessment and Reclamation I Oral (includes student competition)</i>	10:30 AM - 11:45 AM	Marriott, Room 12
74 5 Minute Rapid--Forest, Range and Wildland Soils	11:25 AM - 12:05 PM	Marriott, Florida Salon V
101 <i>Symposium--Mineral Weathering Across Scales</i>	1:30 PM - 3:35 PM	TCC, 1
116 Foundations of Ecological Restoration: Recovery of Soil Functions after Drastic Disturbance Oral	2:00 PM - 3:50 PM	TCC, 20
129 <i>A Quick Introduction to Impactful Images, Articles and Books in Soil and Agronomic Science</i>	3:45 PM - 4:40 PM	TCC, 7
153 Forest, Range and Wildland Soils General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
154 Foundations of Ecological Restoration: Recovery of Soil Functions after Drastic Disturbance Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
207 Symposium--New Insights on Biogeochemical Processes in Terrestrial Ecosystems As Revealed By Isotopic and Biomarker Approaches I	9:30 AM - 11:30 AM	Marriott, Florida Salon I-III
261 Symposium--New Insights on Biogeochemical Processes in Terrestrial Ecosystems As Revealed By Isotopic and Biomarker Approaches II	1:30 PM - 3:35 PM	TCC, 20
312 New Insights on Biogeochemical Processes in Terrestrial Ecosystems As Revealed By Isotopic and Biomarker Approaches Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
330 New Paradigms of Soil Organic Matter and Consequences for Forest Soils and Management Oral	7:55 AM - 9:15 AM	TCC, 20
349 Fire Effects on Soils Oral	9:15 AM - 10:20 AM	TCC, 20
376 Sergei A. Wilde Early Career Achievement Award Lectureship	10:20 AM - 10:55 AM	TCC, 20
382 Sergei A. Wilde Distinguished Lectureship on Forest Soils	11:00 AM - 12:00 PM	TCC, 20
400 SSSA Business Meeting--Forest, Range and Wildland Soils	1:30 PM - 3:00 PM	TCC, 38
426 Fire Effects on Soil Posters	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
427 New Paradigms of Soil Organic Matter and Consequences for Forest Soils and Management Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
SSSA Division: Nutrient Management and Soil and Plant Analysis		
Sunday		
	SSSA Town Hall Meeting	4:30 PM - 5:30 PM TCC, 21
Monday		
35	<i>Ph.D. Oral Competition I</i>	8:00 AM - 11:35 AM Marriott, Grand Ballroom D
80	<i>CrossDiv--Symposium--Innovative Soil Health Research</i>	1:00 PM - 5:00 PM Marriott, Room 5 and 6
102	Phosphorus Sources and Management, Plant Uptake Efficiency and Environmental Fate	1:30 PM - 3:40 PM TCC, 10
112	<i>Ph.D. Oral Competition II</i>	1:30 PM - 4:20 PM TCC, 9
109	<i>M.S. Oral Competition</i>	1:30 PM - 3:50 PM TCC, 3
130	5 Minute Rapid--Nutrient Management and Soil and Plant Analysis	3:50 PM - 4:35 PM TCC, 10
155	Nutrient Management and Soil and Plant Analysis General Poster	4:00 PM - 6:00 PM TCC, East Exhibit Hall
169	<i>Ph.D. Poster Competition</i>	4:00 PM - 6:00 PM TCC, East Exhibit Hall
168	<i>M.S. Poster Competition</i>	4:00 PM - 6:00 PM TCC, East Exhibit Hall
Tuesday		
213	Nutrient Management and Soil and Plant Analysis General Oral I	9:30 AM - 12:00 PM TCC, 10
215	<i>Organic Nutrient Sources and Enhancers</i>	9:30 AM - 12:00 PM TCC, 9
234	Nutrient Management Using 4Rs Principles	10:35 AM - 12:00 PM TCC, 32
244	Nutrient Management and Soil and Plant Analysis General Oral II	1:25 PM - 4:00 PM Marriott, Florida Salon V
288	SSSA Business Meeting--Nutrient Management and Soil and Plant Analysis	4:00 PM - 5:00 PM Marriott, Florida Salon VI
323	Leo M. Walsh Soil Fertility Distinguished Lectureship	5:15 PM - 8:00 PM Marriott, Florida Salon VI
Wednesday		
332	Nitrogen Efficiency, Cycling and Environmental Impacts	7:55 AM - 12:10 PM TCC, 10
348	Symposium--Soil Health Management and Assessment	9:00 AM - 10:55 AM TCC, 9
351	<i>Symposium--Soil and Fertilizer Management for Food Crops to Improve Human Mineral Nutrition</i>	9:15 AM - 11:05 AM TCC, 11
403	<i>Managing Nutrients for Vegetable, Fruit and Specialty Crops</i>	1:30 PM - 3:20 PM TCC, 36
SSSA Division: Pedology		
Friday		
	<i>Soil-Geomorphic Relations of Florida: 20 Million Years of Marine Influence</i>	7:00 AM - 6:00 PM TCC, Front Drive
Sunday		
	SSSA Town Hall Meeting	4:30 PM - 5:30 PM TCC, 21
Monday		
48	Pedology General Oral	9:00 AM - 11:35 AM TCC, 12
101	<i>Symposium--Mineral Weathering Across Scales</i>	1:30 PM - 3:35 PM TCC, 1
129	<i>A Quick Introduction to Impactful Images, Articles and Books in Soil and Agronomic Science</i>	3:45 PM - 4:40 PM TCC, 7
156	Pedology General Poster	4:00 PM - 6:00 PM TCC, East Exhibit Hall
Tuesday		
209	Soil Processes and Performance in Constructed Wetlands	9:30 AM - 11:30 AM TCC, 11
208	Symposium--Coevolution of Soils and Landforms (includes student competition)	9:30 AM - 11:30 AM TCC, 18
233	<i>Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers</i>	10:30 AM - 12:00 PM Marriott, Room 1
263	<i>Symposium--Soils, Minerals and Landscapes of the Gulf Coast</i>	1:30 PM - 3:35 PM TCC, 2
276	Symposium--New Ideas and Instruments in Pedology (includes student competition)	2:00 PM - 4:05 PM Marriott, Grand Ballroom C
Wednesday		
343	The Future of Soil Horizon Research (includes student competition)	8:10 AM - 9:15 AM Marriott, Grand Ballroom D
369	Advancing Pedology in the 21st Century	10:00 AM - 10:55 AM Marriott, Florida Salon VI
380	SSSA Business Meeting--Pedology	10:55 AM - 11:55 AM Marriott, Florida Salon VI
428	Coevolution of Soils and Landscapes Poster (includes student competition)	2:30 PM - 4:30 PM TCC, East Exhibit Hall
429	New Ideas and Instruments in Pedology Poster (includes student competition)	2:30 PM - 4:30 PM TCC, East Exhibit Hall
SSSA Division: Soil and Water Management and Conservation		
Sunday		
	<i>Urban and Anthropogenic Soil Resource Concerns in Tampa and St. Pete - Stormwater Management and Community Gardens</i>	7:30 AM - 4:30 PM TCC, Front Drive
	SSSA Town Hall Meeting	4:30 PM - 5:30 PM TCC, 21

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
Monday		
30 <i>Symposium--Agricultural Management Practices Effect on Greenhouse Gas Emissions, Mitigation Strategies, and Modeling</i>	8:00 AM - 10:05 AM	TCC, 9
45 Soil and Water Management and Conservation General Oral I	8:30 AM - 12:00 PM	TCC, 33
92 <i>Symposium--Technological Advances in Soil Water Conservation and Management</i>	1:30 PM - 3:30 PM	TCC, 31
107 Perennial and Diversified Cropping Systems and Soil Services	1:30 PM - 3:45 PM	TCC, 33
92 <i>Symposium--Technological Advances in Soil Water Conservation and Management</i>	1:30 PM - 3:30 PM	TCC, 31
128 5 Minute Rapid--Soil and Water Management and Conservation	3:45 PM - 4:30 PM	TCC, 31
157 Soil and Water Management and Conservation General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
131 <i>Special Session Symposium--Developing Research and Extension Skills of Students in Integrated Agronomic Systems Poster</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
218 Managing Soils and Crops with Cover Crops	9:30 AM - 3:00 PM	Marriott, Room 11
217 Soil and Water Management and Conservation General Oral II (includes student competition)	9:30 AM - 2:45 PM	Marriott, Room 12
220 Role of Soil Organic Matter in Soil and Water Management	10:00 AM - 11:35 AM	Marriott, Room 2
258 <i>Symposium--Long-Term Agro-Ecosystem Research (LTAR)</i>	1:30 PM - 3:35 PM	TCC, 14
255 <i>CrossDiv--Symposium--Agroforestry for Sustainable Resource Management and Food Security</i>	1:30 PM - 3:30 PM	TCC, 18
275 <i>Symposium--Importance of Soil Health to Food Security: National and Global Security Concerns</i>	2:00 PM - 4:00 PM	Marriott, Room 3
313 Soil and Water Management and Conservation General Poster II (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
<i>Mosaic Phosphate Mine</i>	7:30 AM - 4:00 PM	TCC, Front Drive
338 Soil and Water Management and Conservation General Oral III	8:00 AM - 10:45 AM	TCC, 31
335 <i>Symposium--Building Soil Organic Matter and Improving Soil Function in Grazing Lands</i>	8:00 AM - 10:00 AM	TCC, 19
364 <i>Soil Carbon and Greenhouse Gas Emissions General Oral II</i>	9:30 AM - 12:15 PM	TCC, 14
353 <i>Special Session Symposium--Soil Organic Matter Management Alternatives in a Smallholder Context</i>	9:30 AM - 10:55 AM	TCC, Ballroom A
372 Soil Health Assessment and Tools	10:00 AM - 11:35 AM	TCC, 32
371 Agroforestry for Soil Health and Water Quality Benefits	10:00 AM - 11:35 AM	TCC, 33
383 <i>Symposium--Soil Organic Matter Management Alternatives for Smallholders</i>	11:00 AM - 12:20 PM	TCC, Ballroom A
398 SSSA Business Meeting--Soil and Water Management and Conservation	1:30 PM - 2:30 PM	TCC, 33
431 Soil and Water Management and Conservation General Poster III	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
430 Managing Soils and Crops with Cover Crops Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
419 <i>Soil Carbon and Greenhouse Gas Emissions General Poster I</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
SSSA Division: Soil Biology and Biochemistry		
Sunday		
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
32 <i>Soil Enzymes: Methods of Analyses and Mechanisms Oral (includes student competition)</i>	8:00 AM - 10:25 AM	Marriott, Room 12
36 <i>Microbial Transformations of Minerals, Metals and Organic Matter I: Impacts on Contaminant Dynamics and Carbon Storage Oral (includes student competition)</i>	8:00 AM - 11:45 AM	Marriott, Room 11
41 Soil Biology and Biochemistry General Session I	8:15 AM - 11:10 AM	Marriott, Grand Ballroom H
43 <i>Global Impacts of Environmental Contamination I (includes student competition)</i>	8:25 AM - 11:45 AM	Marriott, Grand Ballroom J
56 Synergy in Soil Health: Integrated Practices for Agroecosystem Management	9:30 AM - 12:00 PM	Marriott, Room 4
80 <i>CrossDiv--Symposium--Innovative Soil Health Research</i>	1:00 PM - 5:00 PM	Marriott, Room 5 and 6
93 <i>Symposium--Marginal Lands: Biotic Forces Impacting Ecosystem Resilience</i>	1:30 PM - 3:30 PM	TCC, 37
91 <i>CrossDiv--Symposium--Global Impacts of Environmental Contamination II</i>	1:30 PM - 3:30 PM	TCC, 18
111 <i>Microbial Transformations of Minerals, Metals and Organic Matter II: Impacts on Contaminant Dynamics and Carbon Storage Oral (includes student competition)</i>	1:30 PM - 4:15 PM	TCC, 39
160 Understanding the Biology of High Carbon and Low Disturbance Soils: A Key to Soil Health and Sustainable Intensification Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
158 Soil Biology and Biochemistry General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
159 Synergy and Soil Health: Integrated Practices for Agroecosystem Management Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
164 <i>Soil Enzymes: Methods of Analyses and Mechanisms Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
195 <i>Special Session Symposium--The U.S. Global Food Security Strategy: Enhancing Resilience, Increasing Productivity, and Improving Nutrition through Agricultural Research</i>	8:30 AM - 10:30 AM	TCC, Ballroom A
214 Soil Biology and Biochemistry General Session II	9:30 AM - 12:00 PM	TCC, 36
219 Understanding the Biology of High Carbon and Low Disturbance Soils: A Key to Soil Health and Sustainable Intensification	9:55 AM - 12:00 PM	TCC, 37
256 Symposium--Microbial Controls on Soil Carbon and Nutrient Ecological Flows in Terrestrial Ecosystems	1:30 PM - 3:30 PM	TCC, 10
261 <i>Symposium--New Insights on Biogeochemical Processes in Terrestrial Ecosystems As Revealed By Isotopic and Biomarker Approaches II</i>	1:30 PM - 3:35 PM	TCC, 20
255 <i>CrossDiv--Symposium--Agroforestry for Sustainable Resource Management and Food Security</i>	1:30 PM - 3:30 PM	TCC, 18
315 Surface Residue Management and Impacts on Soil Biology and Soil Health Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
314 Soil Biology and Biochemistry Graduate Student Poster Competition	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
312 <i>New Insights on Biogeochemical Processes in Terrestrial Ecosystems As Revealed By Isotopic and Biomarker Approaches Poster</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
316 <i>Microbial Transformations of Minerals, Metals and Organic Matter: Impacts on Contaminant Dynamics and Carbon Storage Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
334 Surface Residue Management and Impacts on Soil Biology and Soil Health	8:00 AM - 9:50 AM	TCC, 22
349 <i>Fire Effects on Soils Oral</i>	9:15 AM - 10:20 AM	TCC, 20
378 Francis E. Clark Distinguished Lectureship on Soil Biology	10:30 AM - 12:00 PM	TCC, 22
386 SSSA Business Meeting--Soil Biology and Biochemistry	12:00 PM - 1:00 PM	TCC, Ballroom D
406 Soil Biology and Biochemistry Session on Nitrogen Dynamics	1:30 PM - 3:35 PM	TCC, 22
402 <i>Symposium--Next Generation Soil Health Assessment</i>	1:30 PM - 3:20 PM	TCC, 18
426 <i>Fire Effects on Soil Posters</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
SSSA Division: Soil Chemistry		
Sunday		
Food (and Drink!) for Thought: A Facilitated Networking Event for Women in Soil Science	4:30 PM - 6:00 PM	Marriott, Grand Ballroom C
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
32 Soil Enzymes: Methods of Analyses and Mechanisms Oral (includes student competition)	8:00 AM - 10:25 AM	Marriott, Room 12
36 Microbial Transformations of Minerals, Metals and Organic Matter I: Impacts on Contaminant Dynamics and Carbon Storage Oral (includes student competition)	8:00 AM - 11:45 AM	Marriott, Room 11
43 <i>Global Impacts of Environmental Contamination I (includes student competition)</i>	8:25 AM - 11:45 AM	Marriott, Grand Ballroom J
111 Microbial Transformations of Minerals, Metals and Organic Matter II: Impacts on Contaminant Dynamics and Carbon Storage Oral (includes student competition)	1:30 PM - 4:15 PM	TCC, 39
91 <i>CrossDiv--Symposium--Global Impacts of Environmental Contamination II</i>	1:30 PM - 3:30 PM	TCC, 18
114 Approaching Peak Phosphorus and Seeking Alternatives: Linking Reuse, Speciation, and Availability Oral (includes student competition)	1:45 PM - 3:35 PM	TCC, 38
129 A Quick Introduction to Impactful Images, Articles and Books in Soil and Agronomic Science	3:45 PM - 4:40 PM	TCC, 7
161 Approaching Peak Phosphorus and Seeking Alternatives: Linking Reuse, Speciation, and Availability Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
163 Soil Chemistry, Food Security and Human Health Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
162 Societal Challenges and Soil Chemistry Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
164 Soil Enzymes: Methods of Analyses and Mechanisms Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
165 Speciation and Bioavailability of Nutrients and Pollutants in the Rhizosphere Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
171 Environmental Fate of Chemicals of Emerging Concern Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
172 <i>Global Impacts of Environmental Contamination Poster</i> (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
171 <i>Environmental Fate of Chemicals of Emerging Concern Poster</i> (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
211 Symposium--Soil Chemistry, Food Security and Human Health	9:30 AM - 11:35 AM	Marriott, Grand Ballroom J
212 <i>Biogeochemistry of Natural and Engineered Nanoparticles in the Environment I</i> (includes student competition)	9:30 AM - 11:50 AM	Marriott, Grand Ballroom H
235 Speciation and Bioavailability of Nutrients and Pollutants in the Rhizosphere Oral (includes student competition)	10:40 AM - 12:00 PM	Marriott, Grand Ballroom I
262 Symposium--Societal Challenges and Soil Chemistry	1:30 PM - 3:35 PM	TCC, 15
264 <i>Symposium--Biogeochemistry of Natural and Engineered Nanoparticles in the Environment II</i>	1:30 PM - 3:35 PM	TCC, 6
265 <i>Symposium--Pb in Urban Soils</i>	1:30 PM - 3:35 PM	TCC, 32
285 Panel Discussion: Soil Chemistry and Grand Challenges of Food, Water, Energy and Climate	3:45 PM - 4:30 PM	TCC, 15
317 The Role of Soils in Mitigating Environmental Contaminant Exposure Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
316 Microbial Transformations of Minerals, Metals and Organic Matter: Impacts on Contaminant Dynamics and Carbon Storage Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
325 SSSA Business Meeting--Soil Chemistry	6:00 PM - 7:00 PM	TCC, 5
Wednesday		
342 Soil Chemistry General Oral	8:00 AM - 12:00 PM	TCC, 37
345 Environmental Fate of Chemicals of Emerging Concern Oral (includes student competition)	8:25 AM - 11:35 AM	TCC, 36
346 The Role of Soils in Mitigating Environmental Contaminant Exposure Oral (includes student competition)	8:30 AM - 12:00 PM	TCC, 38
432 Soil Chemistry General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
SSSA Division: Soil Education and Outreach		
Sunday		
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
42 Soils 101: From the Pulpit to the Pit	8:25 AM - 11:00 AM	TCC, 7
72 SSSA Business Meeting--Soil Education and Outreach	11:00 AM - 12:00 PM	TCC, 7
108 Soil Education and Outreach General Oral	1:30 PM - 3:45 PM	TCC, 7
124 <i>Symposium--Agronomy and Technology: Collaborations for Solving Our Workplace Pipeline Problem</i>	3:30 PM - 5:30 PM	Marriott, Room 10
129 A Quick Introduction to Impactful Images, Articles and Books in Soil and Agronomic Science	3:45 PM - 4:40 PM	TCC, 7
166 Soil Education and Outreach General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
182 <i>Resources in Education and Outreach for Soils and Agronomy</i>	8:00 AM - 9:35 AM	Marriott, Room 2
203 <i>Community Engagement and Public Participation in Environmental Research</i>	9:30 AM - 11:10 AM	Marriott, Grand Ballroom G
233 <i>Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers</i>	10:30 AM - 12:00 PM	Marriott, Room 1
SSSA Division: Soil Fertility and Plant Nutrition		
Sunday		
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
28 <i>General Nutrient Management Oral</i>	7:55 AM - 12:00 PM	Marriott, Florida Salon I-III
34 Nitrogen - Soil Fertility and Plant Nutrition	8:00 AM - 11:35 AM	Marriott, Florida Salon IV
35 Ph.D. Oral Competition I	8:00 AM - 11:35 AM	Marriott, Grand Ballroom D

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
73 Poster and 5 Minute Rapid--Soil Fertility and Plant Nutrition	11:15 AM - 12:00 PM	Marriott, Room 10
80 <i>CrossDiv--Symposium--Innovative Soil Health Research</i>	1:00 PM - 5:00 PM	Marriott, Room 5 and 6
112 Ph.D. Oral Competition II	1:30 PM - 4:20 PM	TCC, 9
109 M.S. Oral Competition	1:30 PM - 3:50 PM	TCC, 3
102 <i>Phosphorus Sources and Management, Plant Uptake Efficiency and Environmental Fate</i>	1:30 PM - 3:40 PM	TCC, 10
167 General Soil Fertility and Plant Nutrition Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
169 Ph.D. Poster Competition	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
168 M.S. Poster Competition	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
215 Organic Nutrient Sources and Enhancers	9:30 AM - 12:00 PM	TCC, 9
257 Symposium--Celebrating the Impactful Career of Dr. E.J. Kamprath	1:30 PM - 3:30 PM	Marriott, Florida Salon VI
289 SSSA Business Meeting--Soil Fertility and Plant Nutrition	4:00 PM - 5:00 PM	Marriott, Florida Salon VI
323 Leo M. Walsh Soil Fertility Distinguished Lectureship	5:15 PM - 8:00 PM	Marriott, Florida Salon VI
Wednesday		
340 Phosphorus, Potassium and Other Nutrients - Soil Fertility and Plant Nutrition	8:00 AM - 11:50 AM	TCC, 13
348 <i>Symposium--Soil Health Management and Assessment</i>	9:00 AM - 10:55 AM	TCC, 9
351 <i>Symposium--Soil and Fertilizer Management for Food Crops to Improve Human Mineral Nutrition</i>	9:15 AM - 11:05 AM	TCC, 11
404 Spatial Relationships, Data Analysis, and Bioenergy Crops - Soil Fertility and Plant Nutrition	1:30 PM - 3:20 PM	TCC, 14
403 Managing Nutrients for Vegetable, Fruit and Specialty Crops	1:30 PM - 3:20 PM	TCC, 36
399 Micronutrients - Soil Fertility and Plant Nutrition	1:30 PM - 2:50 PM	TCC, 39
436 Soil Fertility and Plant Nutrition of Agronomic Crops Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
437 Soil Fertility and Plant Nutrition of Agronomic Crops Poster II	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
433 Enhanced Efficiency N Fertilizers/N Management/ Volatile N Loss Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
434 Nutrients from Organic and Non-Traditional Fertilizers Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
435 Phosphorus Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall

SSSA Division: Soil Mineralogy

Sunday		
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
101 Symposium--Mineral Weathering Across Scales	1:30 PM - 3:35 PM	TCC, 1
170 Soil Mineralogy General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
202 Soil Mineralogy General Oral	9:30 AM - 10:35 AM	Marriott, Room 3
263 Symposium--Soils, Minerals and Landscapes of the Gulf Coast	1:30 PM - 3:35 PM	TCC, 2
326 SSSA Business Meeting--Soil Mineralogy	6:10 PM - 7:30 PM	TCC, 2

SSSA Division: Soil Physics and Hydrology

Sunday		
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
31 Modeling in Soil Physics and Hydrology	8:00 AM - 10:15 AM	TCC, 14
69 Recent Advances in Soil Physics Instrumentation and Sensors	10:25 AM - 12:00 PM	TCC, 14
81 Symposium--Recent Advances in Soil Physics Instrumentation and Sensors	1:10 PM - 2:55 PM	TCC, 14
92 <i>Symposium--Technological Advances in Soil Water Conservation and Management</i>	1:30 PM - 3:30 PM	TCC, 31
119 Measurement and Modeling of in Situ Soil Water Retention	2:55 PM - 4:30 PM	TCC, 14
125 <i>Symposium--Water in the Urban Environment: Availability, Policy, Design and Conservation Efforts</i>	3:30 PM - 6:30 PM	TCC, 22
129 <i>A Quick Introduction to Impactful Images, Articles and Books in Soil and Agronomic Science</i>	3:45 PM - 4:40 PM	TCC, 7
Tuesday		
199 Estimating Soil Physical Properties	9:25 AM - 11:30 AM	TCC, 21
228 Applications of Soil Moisture Monitoring in Agriculture, Hydrology, and Ecology	10:10 AM - 12:00 PM	TCC, 22
242 Applying Soil Physics and Hydrology to Soil Health	1:25 PM - 2:45 PM	TCC, 21
249 <i>Symposium--Evapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions</i>	1:30 PM - 3:30 PM	TCC, 9
279 Poster and 5 Minute Rapid--Soil Physics and Hydrology Division Student Competition, Part 1 - Lightning Orals	2:45 PM - 4:50 PM	TCC, 21

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
321 Soil Physics and Hydrology Division Student Competition, Part 2 - Posters	5:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
331 Soil Physics and Hydrology General Oral	7:55 AM - 9:45 AM	Marriott, Grand Ballroom I and J
358 <i>Symposium--Advances in Characterizing Agriculture's Role in the Nitrogen Cycle: Measurement Methods, Instruments, and Insights</i>	9:30 AM - 11:50 AM	Marriott, Florida Salon IV
368 Symposium--Proximal and Remote Sensing Techniques in Soil Physics and Hydrology	9:55 AM - 12:00 PM	Marriott, Grand Ballroom I and J
387 SSSA Business Meeting--Soil Physics and Hydrology	12:00 PM - 1:30 PM	Marriott, Grand Ballroom F
401 Proximal and Remote Sensing Techniques in Soil Physics and Hydrology	1:30 PM - 3:05 PM	Marriott, Grand Ballroom I and J
438 Soil Physics and Hydrology General Poster Session 1	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
443 Soil Physics and Hydrology General Poster Session 2	3:00 PM - 4:30 PM	TCC, East Exhibit Hall
442 Proximal and Remote Sensing Techniques in Soil Physics and Hydrology - Posters	3:00 PM - 4:30 PM	TCC, East Exhibit Hall
SSSA Division: Soils and Environmental Quality		
Sunday		
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
26 <i>Symposium--Data, Big Data and Statistical Analysis for Soils Investigations</i>	7:55 AM - 10:00 AM	Marriott, Grand Ballroom A
37 Soils and Environmental Quality General Oral I	8:00 AM - 11:55 AM	Marriott, Grand Ballroom I
43 Global Impacts of Environmental Contamination I (includes student competition)	8:25 AM - 11:45 AM	Marriott, Grand Ballroom J
91 <i>CrossDiv--Symposium--Global Impacts of Environmental Contamination II</i>	1:30 PM - 3:30 PM	TCC, 18
172 Global Impacts of Environmental Contamination Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
171 Environmental Fate of Chemicals of Emerging Concern Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
203 Community Engagement and Public Participation in Environmental Research	9:30 AM - 11:10 AM	Marriott, Grand Ballroom G
216 Managing, Manipulating, and Predicting Phosphorus Losses in Phosphorus Saturated Soils: Current State of the Science Oral (includes student competition)	9:30 AM - 12:00 PM	Marriott, Room 4
212 Biogeochemistry of Natural and Engineered Nanoparticles in the Environment I (includes student competition)	9:30 AM - 11:50 AM	Marriott, Grand Ballroom H
238 Poster and 5 Minute Rapid--Soils and Environmental Quality	11:30 AM - 12:00 PM	Marriott, Grand Ballroom G
243 <i>Symposium--Sea Level Rise Impacts on Coastal Soil Quality and Nutrient Dynamics</i>	1:25 PM - 4:00 PM	TCC, 24
264 Symposium--Biogeochemistry of Natural and Engineered Nanoparticles in the Environment II	1:30 PM - 3:35 PM	TCC, 6
255 <i>CrossDiv--Symposium--Agroforestry for Sustainable Resource Management and Food Security</i>	1:30 PM - 3:30 PM	TCC, 18
275 <i>Symposium--Importance of Soil Health to Food Security: National and Global Security Concerns</i>	2:00 PM - 4:00 PM	Marriott, Room 3
319 Soils and Environmental Quality General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
318 Managing, Manipulating, and Predicting Phosphorus Losses in Phosphorus Saturated Soils: Current State of the Science Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
317 <i>The Role of Soils in Mitigating Environmental Contaminant Exposure Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
327 SSSA Business Meeting--Soils and Environmental Quality	6:30 PM - 7:15 PM	TCC, 6
Wednesday		
339 Soils and Environmental Quality General Oral II	8:00 AM - 11:40 AM	TCC, 39
345 Environmental Fate of Chemicals of Emerging Concern Oral (includes student competition)	8:25 AM - 11:35 AM	TCC, 36

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
346 <i>The Role of Soils in Mitigating Environmental Contaminant Exposure Oral (includes student competition)</i>	8:30 AM - 12:00 PM	TCC, 38
418 <i>Nutrient Management and Environmental Quality General Poster (includes student competition)</i>	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
SSSA Division: Urban and Anthropogenic Soils		
Friday		
<i>Soil-Geomorphic Relations of Florida: 20 Million Years of Marine Influence</i>	7:00 AM - 6:00 PM	TCC, Front Drive
Sunday		
<i>Urban and Anthropogenic Soil Resource Concerns in Tampa and St. Pete - Stormwater Management and Community Gardens</i>	7:30 AM - 4:30 PM	TCC, Front Drive
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
70 Sustainable Soils in Urban Environments-Urban Forestry, Water, Carbon, Mapping, Assessment and Reclamation I Oral (includes student competition)	10:30 AM - 11:45 AM	Marriott, Room 12
94 Sustainable Soils in Urban Environments-Water, Carbon, Mapping, Assessment and Reclamation II Oral (includes student competition)	1:30 PM - 3:30 PM	TCC, 32
123 Poster and 5 Minute Rapid--Urban and Anthropogenic Soils	3:30 PM - 4:00 PM	TCC, 32
173 Sustainable Soils in Urban Environments-Water, Carbon, Mapping, Assessment and Reclamation Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday		
265 Symposium--Pb in Urban Soils	1:30 PM - 3:35 PM	TCC, 32
290 SSSA Business Meeting--Urban and Anthropogenic Soils	4:00 PM - 5:30 PM	TCC, 32
Wednesday		
<i>Mosaic Phosphate Mine</i>	7:30 AM - 4:00 PM	TCC, Front Drive
SSSA Division: Wetland Soils		
Sunday		
SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Monday		
95 Wetland Restoration: Soil Processes, Indicators, and Global Significance	1:30 PM - 3:30 PM	TCC, 11
Tuesday		
209 Soil Processes and Performance in Constructed Wetlands	9:30 AM - 11:30 AM	TCC, 11
243 <i>Symposium--Sea Level Rise Impacts on Coastal Soil Quality and Nutrient Dynamics</i>	1:25 PM - 4:00 PM	TCC, 24
263 <i>Symposium--Soils, Minerals and Landscapes of the Gulf Coast</i>	1:30 PM - 3:35 PM	TCC, 2
277 William H. Patrick, Jr. Memorial Lectureship	2:00 PM - 6:00 PM	TCC, 13
282 SSSA Business Meeting--Wetland Soils	3:30 PM - 4:30 PM	TCC, 13
320 Wetland Soils Mixer	4:30 PM - 6:00 PM	TCC, 13
Wednesday		
347 Wetland Soils General Oral (includes student competition)	9:00 AM - 10:45 AM	TCC, 7
439 Wetland Soils General Poster (includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Destination Tours (tickets required)		
Sunday		
Tampa by Water and Wheel-Sunday	1:00 PM - 4:00 PM	TCC, Front Drive
Monday		
Tampa By Water & Wheel-Monday	9:30 AM - 12:30 PM	TCC, Front Drive
Tuesday		
Clearwater Marine Aquarium Dolphin Explorer	9:30 AM - 4:30 PM	TCC, Front Drive
Wednesday		
Tarpon Springs, Home of the Sponge Docks	9:30 AM - 3:30 PM	TCC, Front Drive
Tours (tickets required)		
Friday		
<i>Soil-Geomorphic Relations of Florida: 20 Million Years of Marine Influence</i>	7:00 AM - 6:00 PM	TCC, Front Drive
Application of Soil Assessments in Resource Decisions	8:00 AM - 6:30 PM	TCC, Front Drive
Saturday		
Tour of MacArthur Agro-ecology Research Center	8:00 AM - 6:00 PM	TCC, Front Drive
Sunday		
South Florida Grazinglands Tour	6:30 AM - 5:00 PM	TCC, Front Drive

Cosponsored sessions are identified in *italic*.

SESSION No./TITLE	DATE & TIME	LOCATION
Urban and Anthropogenic Soil Resource Concerns in Tampa and St. Pete - Stormwater Management and Community Gardens	7:30 AM - 4:30 PM	TCC, Front Drive
ECHO - Global Farm for Fighting World Hunger	8:00 AM - 5:00 PM	TCC, Front Drive
Germplasm Foray to Fort De Soto	9:00 AM - 1:00 PM	TCC, Front Drive
Behind the Seeds Tour - The Land Pavilion at Disney's Epcot	10:30 AM - 4:30 PM	TCC, Front Drive
Wednesday		
Mosaic Phosphate Mine	7:30 AM - 4:00 PM	TCC, Front Drive
Thursday		
Global Agronomy Tour of the Gulf Coast Research and Education Center	8:00 AM - 12:00 PM	TCC, Front Drive
Tour the Citrus Research and Education Center in Lake Alfred, FL	9:00 AM - 3:00 PM	TCC, Front Drive
Workshops (tickets required)		
Sunday		
Farm-to-Table: On-Farm Trial Data	1:00 PM - 5:00 PM	TCC, 24
R You Ready for New Tools to Manage Research Resources?	1:00 PM - 5:00 PM	TCC, 20
Agricultural Drones: Principles and Applications	1:00 PM - 5:00 PM	TCC, 25
Monday		
Linear Mixed Models for Plant Scientists with ASReml-R	8:00 AM - 12:00 PM	TCC, 25
Generation Image – Photography 101 for Communicating Science and Research	1:30 PM - 3:00 PM	TCC, 15
Tuesday		
273 Special Session--Women in Science Workshop: Connecting Mindfulness and Work-Life Balance	2:00 PM - 4:30 PM	TCC, Ballroom D
Wednesday		
Science Not Silence: An Advocacy Workshop	9:30 AM - 11:00 AM	Marriott, Room 9
Generation Image – Photography 101 for Communicating Science and Research-Wednesday	10:00 AM - 11:30 AM	TCC, 15
Analyzing Repeated Measures Data	1:00 PM - 5:00 PM	TCC, 7

Schedule by Date

No.	TIME	SESSION TITLE	LOCATION
Friday			
	7:00 AM - 6:00 PM	Soil-Geomorphic Relations of Florida: 20 Million Years of Marine Influence	TCC, Front Drive
	8:00 AM - 6:30 PM	Application of Soil Assessments in Resource Decisions	TCC, Front Drive
	5:00 PM - 9:00 PM	SASES Registration	TCC, Registration Center
1	7:00 PM - 8:00 PM	SASES National Officer Meeting	TCC, 37 and 38
2	8:00 PM - 9:00 PM	SASES Committee Member Meeting	TCC, 37 and 38
Saturday			
	6:00 AM - 7:45 AM	SASES Registration	TCC, Registration Center
3	6:00 AM - 5:30 PM	SASES Tours †	TCC, Front Drive
	7:30 AM - 5:00 PM	Improving Synergistic Activities between the Agro-Ecosystem and Botanic/Public Garden Communities	Marriott, Room 11
	8:00 AM - 6:00 PM	Tour of MacArthur Agro-ecology Research Center †	TCC, Front Drive
	12:30 PM - 4:00 PM	ACSESS Board of Directors Meeting	Marriott, Grand Ballroom A
	1:00 PM - 5:30 PM	Special Session--Graduate Student Leadership Conference †	Marriott, Grand Ballroom D
4	7:00 PM - 8:30 PM	Presidents Trophy Competition	TCC, 22 and 23
5	8:30 PM - 9:30 PM	SASES Business Meeting I	TCC, 22 and 23
6	9:30 PM - 10:00 PM	Delegate Training for SASES Clubs	TCC, 22 and 23
7	10:00 PM - 11:55 PM	SASES Dance	TCC, Riverwalk
Sunday			
	6:30 AM - 5:00 PM	South Florida Grazinglands Tour †	TCC, Front Drive
	7:00 AM - 7:30 AM	Moderator Training I	TCC, 15
	7:30 AM - 9:00 AM	SASES Registration	TCC, Registration Center
	7:30 AM - 2:00 PM	Special Session--Graduate Student Leadership Conference †	Marriott, Grand Ballroom D
	7:30 AM - 4:30 PM	Urban and Anthropogenic Soil Resource Concerns in Tampa and St. Pete - Stormwater Management and Community Gardens †	TCC, Front Drive
	8:00 AM - 5:00 PM	ECHO - Global Farm for Fighting World Hunger †	TCC, Front Drive
8	9:00 AM - 10:30 AM	SASES Brunch and Keynote Speaker †	Marriott, Grand Ballroom E and F
	9:00 AM - 1:00 PM	Germplasm Foray to Fort De Soto †	TCC, Front Drive
	9:00 AM - 4:00 PM	NE1438 Multistate Committee - Hydrogeology of Vernal Pool Systems	Marriott, Room 8
9	10:00 AM - 11:45 AM	SSSA Business Meeting--Consulting Soil Scientists	TCC, 4
	10:00 AM - 12:00 PM	SSSA Board of Directors Meeting	Marriott, Grand Ballroom A
	10:30 AM - 4:30 PM	Behind the Seeds Tour - The Land Pavilion at Disney's Epcot	TCC, Front Drive
	12:00 PM - 12:30 PM	Moderator Training II	TCC, 15
11	12:30 PM - 3:00 PM	Undergraduate Research Contest - Oral I	Marriott, Grand Ballroom I
12	12:30 PM - 3:00 PM	Undergraduate Research Contest - Oral II	Marriott, Grand Ballroom G
	12:30 PM - 2:00 PM	S711.18 Program Planning Task Force (SSSA 2019 Meeting)	Marriott, Grand Ballroom A
	1:00 PM - 2:00 PM	S302 SSSA Journal Technical Editors	Marriott, Florida Salon VI
	1:00 PM - 4:00 PM	Tampa by Water and Wheel-Sunday †	TCC, Front Drive
	1:00 PM - 4:00 PM	USDA-ARS Gracenet, REAP & Associated Databases Updates & Discussion	TCC, 9
	1:00 PM - 5:00 PM	Farm-to-Table: On-Farm Trial Data †	TCC, 24
	1:00 PM - 5:00 PM	LCCB Team Meeting	Marriott, Room 10
	1:00 PM - 5:00 PM	R You Ready for New Tools to Manage Research Resources? †	TCC, 20
	1:00 PM - 5:00 PM	NE 1545 - OWTS: Assessing the Impact of Climate Variability and Climate Change	Marriott, Greco Boardroom
	1:00 PM - 5:00 PM	Agricultural Drones: Principles and Applications †	TCC, 25
	1:30 PM - 2:30 PM	C312 Journal of Plant Registrations	Marriott, Room 9
	2:00 PM - 3:00 PM	S302 SSSA Journal New Editor Training	Marriott, Florida Salon VI
	2:00 PM - 4:00 PM	ASA Board of Directors Meeting	Marriott, Room 5
	2:30 PM - 3:30 PM	Open Session on AgMIP US Activities	Marriott, Room 4
13	3:15 PM - 4:45 PM	SASES National Speech Contest Prelims: I	Marriott, Grand Ballroom I
14	3:15 PM - 4:45 PM	SASES National Speech Contest Prelims: II	Marriott, Grand Ballroom G
	3:00 PM - 5:00 PM	NCSRBP Benchmarking Team Meeting	Marriott, Room 1
	3:00 PM - 5:00 PM	S302 SSSA Journal Editorial Board	Marriott, Florida Salon VI

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
15	3:00 PM - 5:00 PM	Symposium--Improving the Competitiveness of Natural Fibers to Increase Market Share	TCC, 7
	3:30 PM - 4:30 PM	Golden Opportunity Scholars Orientation	TCC, 5
16	3:30 PM - 5:00 PM	Hot Topics in Agronomy and Soil Science	Marriott, Florida Salon I-III
	3:30 PM - 5:30 PM	Department Heads/Chairs Roundtable	Marriott, Room 9
17	3:40 PM - 5:30 PM	Graduate Student Oral Competition	TCC, 13
18	4:00 PM - 5:30 PM	Turf Industry Session	TCC, 14
19	4:00 PM - 6:00 PM	Graduate Student Networking Session - Building Professional Relations Workshop	TCC, Ballroom D
	4:30 PM - 5:30 PM	SSSA Town Hall Meeting	TCC, 21
	4:30 PM - 6:00 PM	Food (and Drink!) for Thought: A Facilitated Networking Event for Women in Soil Science	Marriott, Grand Ballroom C
20	10:45 AM - 12:15 PM	SASES Club Poster Contest	Marriott, Ballroom F Foyer
	5:00 PM - 7:30 PM	Joint Meeting of the Clover and Special Purpose Legumes and the Forage and Turfgrass Crop Germplasm Committees	Marriott, Grand Ballroom A
21	6:00 PM - 7:00 PM	ASA, CSSA and SSSA Opening Keynote	TCC, Ballroom C
	7:00 PM - 9:00 PM	Welcome Reception	TCC, East Exhibit Hall
	7:00 PM - 9:00 PM	Exhibits & Career Center Open	TCC, East Exhibit Hall
	7:00 PM - 9:00 PM	Graduate School Forum	TCC, East Exhibit Hall
	8:00 PM - 9:00 PM	SASES Elections	TCC, 22 and 23
	8:30 PM - 9:15 PM	Publishing Reception	TCC, 1
23	9:15 PM - 11:00 PM	SASES Quiz Bowl	TCC, 22 and 23
Monday			
	7:00 AM - 7:30 AM	Moderator Training III	TCC, 15
24	7:00 AM - 9:00 AM	CSSA Breakfast, Awards, and Plenary (Betty Klepper Endowed Lectureship)	Marriott, Grand Ballroom E and F
	7:00 AM - 6:00 PM	Extension Materials on Display I	TCC, East Exhibit Hall
25	7:50 AM - 9:50 AM	Symposium--If You Use It, They Will Come: Using Social Media to Gain an Audience for Agriculture	TCC, 10
26	7:55 AM - 10:00 AM	Symposium--Data, Big Data and Statistical Analysis for Soils Investigations	Marriott, Grand Ballroom A
27	7:55 AM - 11:25 AM	Forest, Range and Wildland Soils General Oral	Marriott, Florida Salon V
28	7:55 AM - 12:00 PM	General Nutrient Management Oral	Marriott, Florida Salon I-III
29	7:55 AM - 12:35 PM	Cover Crop Management Oral (includes student competition)	TCC, 13
	8:00 AM - 8:30 AM	Mindfulness Specialty Group: Monday	Marriott, Room 4
	8:00 AM - 10:00 AM	Cover Crop Web Tools and Apps Collaboration	Marriott, Greco Boardroom
30	8:00 AM - 10:05 AM	Symposium--Agricultural Management Practices Effect on Greenhouse Gas Emissions, Mitigation Strategies, and Modeling	TCC, 9
31	8:00 AM - 10:15 AM	Modeling in Soil Physics and Hydrology	TCC, 14
32	8:00 AM - 10:25 AM	Soil Enzymes: Methods of Analyses and Mechanisms Oral (includes student competition)	Marriott, Room 12
33	8:00 AM - 10:50 AM	Development of Tools for Precision Agriculture I (includes student competition)	Marriott, Room 3
34	8:00 AM - 11:35 AM	Nitrogen - Soil Fertility and Plant Nutrition	Marriott, Florida Salon IV
35	8:00 AM - 11:35 AM	Ph.D. Oral Competition I	Marriott, Grand Ballroom D
36	8:00 AM - 11:45 AM	Microbial Transformations of Minerals, Metals and Organic Matter I: Impacts on Contaminant Dynamics and Carbon Storage Oral (includes student competition)	Marriott, Room 11
37	8:00 AM - 11:55 AM	Soils and Environmental Quality General Oral I	Marriott, Grand Ballroom I
	8:00 AM - 12:00 PM	Linear Mixed Models for Plant Scientists with ASReml-R	TCC, 25
38	8:00 AM - 4:15 PM	General Bioenergy Systems Oral	Marriott, Grand Ballroom B
39	8:10 AM - 11:30 AM	Symposium--Advances in Crop Modeling Applications to Secure Food and Environmental Sustainability	TCC, Ballroom A
40	8:15 AM - 10:15 AM	Symposium--Beef and Dairy Systems: Economics and Environmental Footprint	TCC, 31
41	8:15 AM - 11:10 AM	Soil Biology and Biochemistry General Session I	Marriott, Grand Ballroom H
42	8:25 AM - 11:00 AM	Soils 101: From the Pulpit to the Pit	TCC, 7
43	8:25 AM - 11:45 AM	Global Impacts of Environmental Contamination I (includes student competition)	Marriott, Grand Ballroom J

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
44	8:30 AM - 10:00 AM	SASES Club Presidents' Round Table	Marriott, Room 8 and 9
45	8:30 AM - 12:00 PM	Soil and Water Management and Conservation General Oral I	TCC, 33
46	8:45 AM - 3:35 PM	Applied Soybean Research (includes student competition)	Marriott, Room 1
47	8:55 AM - 11:00 AM	Symposium--Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity	TCC, 10
22	9:00 AM - 10:00 AM	SASES National Speech Contest - Finals	Marriott, Grand Ballroom G
48	9:00 AM - 11:35 AM	Pedology General Oral	TCC, 12
	9:00 AM - 12:00 PM	Identifying Research Gaps for Novel and Ancient Crops: Investing in New opportunities in Plant Efficiency.	TCC, 38
49	9:00 AM - 4:25 PM	Agricultural Remote Sensing General Oral (includes student competition)	TCC, 5
	9:00 AM - 6:00 PM	Exhibits & Career Center Open	TCC, East Exhibit Hall
	9:00 AM - 6:00 PM	Graduate School Forum	TCC, East Exhibit Hall
50	9:20 AM - 11:30 AM	Crop Breeding & Genetics Oral I	TCC, 24
51	9:25 AM - 2:30 PM	Robert F Barnes Ph.D. Oral Contest	TCC, 19
52	9:30 AM - 11:00 AM	Special Session--Career Path Opportunities for Students, Post-Docs, and Early Career Members	TCC, Ballroom D
53	9:30 AM - 11:30 AM	Special Session Symposium--Improving Synergistic Activities between the Agro-Ecosystem and Botanic/Public Garden Communities	TCC, 36
54	9:30 AM - 11:30 AM	Symposium--Innovative Applications of Crop Sensors for Improved Nutrient Management	Marriott, Grand Ballroom C
55	9:30 AM - 11:30 AM	Symposium--Economic Viability of Short- Vs Long-Term Cropping Systems	Marriott, Florida Salon VI
56	9:30 AM - 12:00 PM	Synergy in Soil Health: Integrated Practices for Agroecosystem Management	Marriott, Room 4
57	9:30 AM - 12:15 PM	Turf Ecology and Management (includes student competition)	TCC, 22
58	9:30 AM - 12:15 PM	Turf Nutrition, Soils-Rootzones and Water Quality (includes student competition)	TCC, 23
	9:30 AM - 12:30 PM	Tampa By Water & Wheel-Monday	TCC, Front Drive
59	9:40 AM - 12:00 PM	Crop Physiology and Metabolism General Oral I	TCC, 3
60	10:00 AM - 11:15 AM	Outcomes of an Innovative Public-Industry Corn Nitrogen Research Partnership	Marriott, Room 2
	10:00 AM - 11:30 AM	Special Session--Relatable Science – Communicating in 2017	TCC, 15
	10:00 AM - 12:00 PM	AC315 Crop, Forage & Turfgrass Management Editorial Board	TCC, 39
61	10:00 AM - 12:00 PM	CCA Career Accelerator Round Table	Marriott, Room 8 and 9
62	10:00 AM - 12:00 PM	Grad School Workshop for Undergrads	Marriott, Grand Ballroom G
63	10:00 AM - 12:05 PM	Symposium--Managing Water Resources for a Secure Future	TCC, 11
64	10:00 AM - 12:05 PM	Symposium--Next Generation Trait Mapping & Molecular Breeding for Accelerating Genetic Gains	TCC, 21
65	10:10 AM - 12:00 PM	Greenhouse Gas Emissions from Integrated-Crop Livestock System Oral	TCC, 9
66	10:20 AM - 11:25 AM	AgMIP: Recent Findings of the Agmip Projects	TCC, 6
67	10:25 AM - 11:55 AM	Nutrient Dynamics and Management in Livestock Production Systems Oral (includes student competition)	TCC, 1
68	10:25 AM - 12:00 PM	Sustainable Intensification in Integrated Crop-Livestock Systems	TCC, 31
69	10:25 AM - 12:00 PM	Recent Advances in Soil Physics Instrumentation and Sensors	TCC, 14
70	10:30 AM - 11:45 AM	Sustainable Soils in Urban Environments-Urban Forestry, Water, Carbon, Mapping, Assessment and Reclamation I Oral (includes student competition)	Marriott, Room 12
71	11:00 AM - 12:00 PM	Martin and Ruth Massengale Lectureship	TCC, 20
72	11:00 AM - 12:00 PM	SSSA Business Meeting--Soil Education and Outreach	TCC, 7
73	11:15 AM - 12:00 PM	Poster and 5 Minute Rapid--Soil Fertility and Plant Nutrition	Marriott, Room 10
74	11:25 AM - 12:05 PM	5 Minute Rapid--Forest, Range and Wildland Soils	Marriott, Florida Salon V
75	11:30 AM - 11:55 AM	ASA Business Meeting--Climatology and Modeling	TCC, 6
76	11:30 AM - 12:15 PM	Poster and 5 Minute Rapid--Crop Breeding & Genetics Oral II	TCC, 24
	11:30 AM - 12:45 PM	SSSA Graduate Student Town Hall	Marriott, Grand Ballroom F
	12:00 PM - 12:30 PM	Moderator Training IV	TCC, 15
	12:00 PM - 1:30 PM	LandPKS Working Group Meeting	TCC, 2
77	12:00 PM - 1:30 PM	Pop in with the Presidents	Marriott, Grand Ballroom E
78	12:00 PM - 1:30 PM	SASES Advisor Luncheon	Marriott, Grand Ballroom A
	1:00 PM - 2:00 PM	C302 Crop Science Technical Editors	Marriott, Room 4
79	1:00 PM - 2:30 PM	Special Session--Tips from the Experts on the Job Application and Interviewing Process	TCC, 25

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
80	1:00 PM - 5:00 PM	CrossDiv--Symposium--Innovative Soil Health Research	Marriott, Room 5 and 6
81	1:10 PM - 2:55 PM	Symposium--Recent Advances in Soil Physics Instrumentation and Sensors	TCC, 14
	1:15 PM - 3:30 PM	Soil and Plant Analysis Council Board Meeting	
82	1:30 PM - 2:55 PM	By-Product Gypsum Uses in Agriculture General Oral	TCC, 8
	1:30 PM - 3:00 PM	Generation Image – Photography 101 for Communicating Science & Research †	TCC, 15
83	1:30 PM - 3:05 PM	Global Climate Change: More Recent Observations and Adaptations (includes student competition)	TCC, 36
84	1:30 PM - 3:20 PM	Enhanced-Denitrification Technologies (includes student competition)	TCC, 4
85	1:30 PM - 3:30 PM	Special Session Symposium--Citizen Science, on-Farm Trials and the Future of Agricultural Research	Marriott, Grand Ballroom I and J
86	1:30 PM - 3:30 PM	Crops Judging Contest Showcase	TCC, Ballroom D
87	1:30 PM - 3:30 PM	Symposium--Engineering Solutions and New Machines for Organic Agriculture	Marriott, Florida Salon I-III
88	1:30 PM - 3:30 PM	Symposium--Managing Water and Salinity through Variable Rate Irrigation	Marriott, Room 11
89	1:30 PM - 3:30 PM	Symposium--Advances in Measuring and Modeling Crop Water Requirements	TCC, 12
90	1:30 PM - 3:30 PM	Symposium--Physiological Traits for High Throughput Phenotyping of Abiotic Stress Tolerance	Marriott, Florida Salon V
91	1:30 PM - 3:30 PM	CrossDiv--Symposium--Global Impacts of Environmental Contamination II	TCC, 18
92	1:30 PM - 3:30 PM	Symposium--Technological Advances in Soil Water Conservation and Management	TCC, 31
93	1:30 PM - 3:30 PM	Symposium--Marginal Lands: Biotic Forces Impacting Ecosystem Resilience	TCC, 37
94	1:30 PM - 3:30 PM	Sustainable Soils in Urban Environments-Water, Carbon, Mapping, Assessment and Reclamation II Oral (includes student competition)	TCC, 32
95	1:30 PM - 3:30 PM	Wetland Restoration: Soil Processes, Indicators, and Global Significance	TCC, 11
100	1:30 PM - 3:35 PM	Symposium--the Prominent Role of Plant Genetic Resources: Endophytes and Discovering the Plant Microbiome	Marriott, Grand Ballroom H
101	1:30 PM - 3:35 PM	Symposium--Mineral Weathering Across Scales	TCC, 1
96	1:30 PM - 3:35 PM	Special Session Symposium--How Can We Improve Our Estimates of Indirect N ₂ O Emissions?	TCC, 21
97	1:30 PM - 3:35 PM	Semiarid Dryland Cropping Systems Oral	Marriott, Florida Salon IV
98	1:30 PM - 3:35 PM	Symposium--Future of Weed Science: Thinking Beyond Herbicides in the Agricultural Landscape	Marriott, Room 2
99	1:30 PM - 3:35 PM	Biochar Production and Technology: Global Advancement, Risks and Success	TCC, Ballroom A
102	1:30 PM - 3:40 PM	Phosphorus Sources and Management, Plant Uptake Efficiency and Environmental Fate	TCC, 10
103	1:30 PM - 3:45 PM	Extension and Education in Agronomy Oral	Marriott, Room 12
104	1:30 PM - 3:45 PM	Crop Ecology, Management and Quality General Oral I	Marriott, Grand Ballroom C
105	1:30 PM - 3:45 PM	Turf Management and Ecology (includes student competition)	TCC, 24
106	1:30 PM - 3:45 PM	Genomics, Molecular Genetics and Biotechnology General Oral	Marriott, Florida Salon VI
107	1:30 PM - 3:45 PM	Perennial and Diversified Cropping Systems and Soil Services	TCC, 33
108	1:30 PM - 3:45 PM	Soil Education and Outreach General Oral	TCC, 7
109	1:30 PM - 3:50 PM	M.S. Oral Competition	TCC, 3
110	1:30 PM - 4:05 PM	Managing Water Resources for a Secure Future Oral	Marriott, Room 3
111	1:30 PM - 4:15 PM	Microbial Transformations of Minerals, Metals and Organic Matter II: Impacts on Contaminant Dynamics and Carbon Storage Oral (includes student competition)	TCC, 39
112	1:30 PM - 4:20 PM	Ph.D. Oral Competition II	TCC, 9
113	1:30 PM - 4:30 PM	Environmental Quality General Oral	TCC, 6
114	1:45 PM - 3:35 PM	Approaching Peak Phosphorus and Seeking Alternatives: Linking Reuse, Speciation, and Availability Oral (includes student competition)	TCC, 38
	2:00 PM - 3:00 PM	C302 Crop Science Editorial Board	Marriott, Room 4
115	2:00 PM - 3:00 PM	Special Session--Communicating Your Science: Messaging for a Greater Impact Workshop	Marriott, Room 8 and 9
116	2:00 PM - 3:50 PM	Foundations of Ecological Restoration: Recovery of Soil Functions after Drastic Disturbance Oral	TCC, 20
	2:00 PM - 4:00 PM	ACS 528 Diversity Committee Business Meeting	TCC, Ballroom C
	2:00 PM - 4:00 PM	USDA-ARS All Hands Meeting	TCC, 13

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
117	2:30 PM - 4:05 PM	Molecular Techniques, Turf Genetics and Breeding (includes student competition)	TCC, 23
118	2:30 PM - 4:05 PM	Forage and Grazinglands -- New Developments	TCC, 19
119	2:55 PM - 4:30 PM	Measurement and Modeling of in Situ Soil Water Retention	TCC, 14
120	3:00 PM - 4:30 PM	Special Session--Behavioral Interviewing Workshop	TCC, 25
121	3:00 PM - 4:30 PM	Special Session Symposium--Emeritus and Late-Career Members: Exploring both Retirement Opportunities within our Sciences and Emeritus Membership Opportunities	Marriott, Grand Ballroom G TCC, East Exhibit Hall
122	3:00 PM - 6:00 PM	Career Fair	TCC, 32
123	3:30 PM - 4:00 PM	Poster and 5 Minute Rapid--Urban and Anthropogenic Soils	TCC, 32
124	3:30 PM - 5:30 PM	Symposium--Agronomy and Technology: Collaborations for Solving Our Workplace Pipeline Problem	Marriott, Room 10
	3:30 PM - 6:00 PM	NAPT Oversight & PAP Committee	Marriott, Greco Boardroom
125	3:30 PM - 6:30 PM	Symposium--Water in the Urban Environment: Availability, Policy, Design and Conservation Efforts	TCC, 22
126	3:35 PM - 4:20 PM	CSSA Business Meeting--Plant Genetic Resources	Marriott, Grand Ballroom H
128	3:45 PM - 4:30 PM	5 Minute Rapid--Soil and Water Management and Conservation	TCC, 31
127	3:45 PM - 4:35 PM	Poster and 5 Minute Rapid--Genomics, Molecular Genetics and Biotechnology	Marriott, Florida Salon VI
129	3:45 PM - 4:40 PM	A Quick Introduction to Impactful Images, Articles and Books in Soil and Agronomic Science	TCC, 7
130	3:50 PM - 4:35 PM	5 Minute Rapid--Nutrient Management and Soil and Plant Analysis	TCC, 10
	4:00 PM - 5:00 PM	ASA Town Hall Meeting	TCC, Ballroom A
	4:00 PM - 6:00 PM	Meter Invited Speaker Session	Marriott, Room 8 and 9
131	4:00 PM - 6:00 PM	Special Session Symposium--Developing Research and Extension Skills of Students in Integrated Agronomic Systems Poster	TCC, East Exhibit Hall
132	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section I	TCC, East Exhibit Hall
133	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section II	TCC, East Exhibit Hall
134	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section III	TCC, East Exhibit Hall
135	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section IV	TCC, East Exhibit Hall
136	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section V	TCC, East Exhibit Hall
137	4:00 PM - 6:00 PM	Current Research for Advancing Precision Agriculture Poster (includes student competition)	TCC, East Exhibit Hall
138	4:00 PM - 6:00 PM	Semiarid Dryland Cropping Systems Poster (includes student competition)	TCC, East Exhibit Hall
139	4:00 PM - 6:00 PM	Agricultural Remote Sensing General Poster	TCC, East Exhibit Hall
140	4:00 PM - 6:00 PM	Examples of Model Applications in Field Research Poster (includes student competition)	TCC, East Exhibit Hall
141	4:00 PM - 6:00 PM	The Internship Experience: My Summer as an Intern	TCC, East Exhibit Hall
142	4:00 PM - 6:00 PM	Environmental Quality General Poster	TCC, East Exhibit Hall
143	4:00 PM - 6:00 PM	Soil Carbon and Greenhouse Gas Emissions General Poster II (Students' Poster Competition)	TCC, East Exhibit Hall
144	4:00 PM - 6:00 PM	Where the Rubber Meets the Road: Production, Novel and Real World Uses of Biochars - Poster Part 2 (includes student competition)	TCC, East Exhibit Hall
145	4:00 PM - 6:00 PM	Gaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity Poster (includes student competition)	TCC, East Exhibit Hall
146	4:00 PM - 6:00 PM	Managing Water Resources for a Secure Future Poster (includes student competition)	TCC, East Exhibit Hall
147	4:00 PM - 6:00 PM	Cover Crop Management Poster	TCC, East Exhibit Hall
148	4:00 PM - 6:00 PM	Crop Breeding & Genetics Poster I (includes graduate student competition)	TCC, East Exhibit Hall
149	4:00 PM - 6:00 PM	Graduate Student Poster Competition	TCC, East Exhibit Hall
150	4:00 PM - 6:00 PM	Crop Ecology, Management and Quality General Poster I	TCC, East Exhibit Hall
151	4:00 PM - 6:00 PM	Robert F Barnes M.S. Poster Contest	TCC, East Exhibit Hall
152	4:00 PM - 6:00 PM	Genomics, Molecular Genetics and Biotechnology General Poster	TCC, East Exhibit Hall
153	4:00 PM - 6:00 PM	Forest, Range and Wildland Soils General Poster	TCC, East Exhibit Hall
154	4:00 PM - 6:00 PM	Foundations of Ecological Restoration: Recovery of Soil Functions after Drastic Disturbance Poster	TCC, East Exhibit Hall
155	4:00 PM - 6:00 PM	Nutrient Management and Soil and Plant Analysis General Poster	TCC, East Exhibit Hall
156	4:00 PM - 6:00 PM	Pedology General Poster	TCC, East Exhibit Hall
157	4:00 PM - 6:00 PM	Soil and Water Management and Conservation General Poster	TCC, East Exhibit Hall
158	4:00 PM - 6:00 PM	Soil Biology and Biochemistry General Poster	TCC, East Exhibit Hall

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
159	4:00 PM - 6:00 PM	Synergy and Soil Health: Integrated Practices for Agroecosystem Management Poster	TCC, East Exhibit Hall
160	4:00 PM - 6:00 PM	Understanding the Biology of High Carbon and Low Disturbance Soils: A Key to Soil Health and Sustainable Intensification Poster	TCC, East Exhibit Hall
161	4:00 PM - 6:00 PM	Approaching Peak Phosphorus and Seeking Alternatives: Linking Reuse, Speciation, and Availability Poster (includes student competition)	TCC, East Exhibit Hall
162	4:00 PM - 6:00 PM	Societal Challenges and Soil Chemistry Poster (includes student competition)	TCC, East Exhibit Hall
163	4:00 PM - 6:00 PM	Soil Chemistry, Food Security and Human Health Poster (includes student competition)	TCC, East Exhibit Hall
164	4:00 PM - 6:00 PM	Soil Enzymes: Methods of Analyses and Mechanisms Poster (includes student competition)	TCC, East Exhibit Hall
165	4:00 PM - 6:00 PM	Speciation and Bioavailability of Nutrients and Pollutants in the Rhizosphere Poster (includes student competition)	TCC, East Exhibit Hall
166	4:00 PM - 6:00 PM	Soil Education and Outreach General Poster	TCC, East Exhibit Hall
167	4:00 PM - 6:00 PM	General Soil Fertility and Plant Nutrition Poster	TCC, East Exhibit Hall
168	4:00 PM - 6:00 PM	M.S. Poster Competition	TCC, East Exhibit Hall
169	4:00 PM - 6:00 PM	Ph.D. Poster Competition	TCC, East Exhibit Hall
170	4:00 PM - 6:00 PM	Soil Mineralogy General Poster	TCC, East Exhibit Hall
171	4:00 PM - 6:00 PM	Environmental Fate of Chemicals of Emerging Concern Poster (includes student competition)	TCC, East Exhibit Hall
172	4:00 PM - 6:00 PM	Global Impacts of Environmental Contamination Poster (includes student competition)	TCC, East Exhibit Hall
173	4:00 PM - 6:00 PM	Sustainable Soils in Urban Environments-Water, Carbon, Mapping, Assessment and Reclamation Poster (includes student competition)	TCC, East Exhibit Hall
	4:30 PM - 5:30 PM	ACS330 Agricultural & Environmental Letters Journal Editorial Board	Marriott, Grand Ballroom A
	4:40 PM - 5:40 PM	Meeting for S205.1 Committee on the History, Philosophy, and Sociology of Soil Science	TCC, 7
174	5:00 PM - 6:40 PM	Special Session Symposium--Global Ag Company Consolidation: Driving Forces, Legal Challenges and Real Life Merger Examples	TCC, 23
	5:30 PM - 6:30 PM	ACS324.1 Journal of Environmental Quality Technical Editors	Marriott, Grand Ballroom A
	5:30 PM - 6:30 PM	Association of Agricultural Scientists of Indian Origin (AASIO) Annual Meeting	TCC, 12
	5:30 PM - 7:00 PM	University of Arkansas Razorback Pigout	Marriott, Florida Salon V
	5:30 PM - 7:30 PM	Purdue Boilermaker Reception	Marriott, Florida Salon IV
	5:30 PM - 7:30 PM	Colorado State University Alumni Reception	Marriott, Room 4
	5:30 PM - 7:30 PM	University of Minnesota Mixer	Marriott, Room 1
	5:30 PM - 7:30 PM	Association of Chinese Soil & Plant Scientists in North America Annual Meeting	TCC, 11
	6:00 PM - 7:00 PM	Meeting of the Speciality Group of Nepalese Origin	TCC, 7
	6:00 PM - 7:30 PM	2018-2019 SSSA International Soils Meeting Program Planning Meeting	TCC, 4
	6:00 PM - 8:00 PM	All Illinois Mixer	Marriott, Grand Ballroom C
	6:00 PM - 8:00 PM	University of Florida Gator Gathering	Marriott, Florida Salon II-III
	6:30 PM - 7:30 PM	Specialty Group Social - Agricultural Politics	Marriott, Grand Ballroom A
	6:30 PM - 9:00 PM	Specialty Group - CSA Christian Fellowship	Marriott, Room 8 and 9
175	7:00 PM - 11:30 PM	SASES Awards and Social	Splitsville, 615 Channelside Dr.
	7:30 PM - 9:00 PM	2018 ASA & CSSA Annual Meeting Program Planning Meeting	TCC, 5
	7:30 PM - 9:30 PM	DSSAT Foundation Open Forum	Marriott, Grand Ballroom B
Tuesday			
176	6:30 AM - 8:00 AM	5K Fun Run (registration required)	
177	6:50 AM - 7:50 AM	Frank N. Meyer Medal for Plant Genetic Resources Breakfast and Award	Marriott, Room 6
	7:00 AM - 7:30 AM	Moderator Training V	TCC, 15
	7:00 AM - 8:00 AM	North American Forest Soils Conference Planning Committee	Marriott, Grand Ballroom A
	7:00 AM - 8:30 AM	SSSA K-12 Committee Meeting	Marriott, Greco Boardroom
178	7:00 AM - 9:00 AM	SSSA Breakfast, Awards, and Plenary (Nyle C. Brady Frontiers of Soil Science Lectureship)	Marriott, Grand Ballroom E and F
	7:00 AM - 6:00 PM	Extension Materials on Display II	TCC, East Exhibit Hall
179	7:30 AM - 4:00 PM	Special Session--Gateway Scholars Orientation and Motivational Program	TCC, 1
180	7:55 AM - 11:45 AM	Climatology and Modeling General Oral I	TCC, 13

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
181	7:55 AM - 12:00 PM	Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate Greenhouse Gas Emissions Oral	TCC, 24
182	8:00 AM - 9:35 AM	Resources in Education and Outreach for Soils and Agronomy	Marriott, Room 2
183	8:00 AM - 10:00 AM	Symposium--Impacts of Different Bioenergy Systems on Soil Health	TCC, 4
184	8:00 AM - 10:00 AM	Symposium--Improving Relevancy and Impact of Extension Programming	Marriott, Grand Ballroom D
185	8:00 AM - 10:00 AM	Symposium--Understanding the Yield Gap in World-Wide Wheat Production and the Opportunities for International Collaboration	Marriott, Grand Ballroom C
186	8:00 AM - 10:00 AM	Symposium--Training Plant Breeders to Design and Manage 21st Century Cultivar Development Pipelines	Marriott, Florida Salon VI
187	8:00 AM - 10:00 AM	Symposium--Improving Foods Using Seed Bioproducts	Marriott, Florida Salon IV
188	8:00 AM - 10:00 AM	Turf Pests: Diseases and Insects (includes student competition)	TCC, 23
189	7:50 AM - 9:45 AM	Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems I	TCC, 19
190	8:00 AM - 10:15 AM	Crop Ecology, Management and Quality General Oral II	TCC, 39
191	8:00 AM - 11:35 AM	Agronomic Production Systems General Oral	TCC, 3
192	8:00 AM - 12:00 PM	Crop Physiology and Metabolism General Oral II	Marriott, Grand Ballroom B
193	8:00 AM - 1:00 PM	Special Session--Lab to Field: CCA 4R Nutrient Management and Soil Health Working Together	Marriott, Room 8 and 9
194	8:30 AM - 9:35 AM	Ron Phillips Plant Genetics Lectureship	Marriott, Florida Salon V
195	8:30 AM - 10:30 AM	Special Session Symposium--The U.S. Global Food Security Strategy: Enhancing Resilience, Increasing Productivity, and Improving Nutrition through Agricultural Research	TCC, Ballroom A
196	9:00 AM - 10:10 AM	Symposium--Building Institutional Capacity in Tropical Legumes	Marriott, Room 10
197	9:00 AM - 11:05 AM	Symposium--the Future of Remote Sensing for Agriculture: How This Information Can be Effectively Used for Decision Making	TCC, 5
198	9:00 AM - 11:50 AM	Soil Carbon and Greenhouse Gas Emissions General Oral I (Student's Oral Competition)	TCC, 33
	9:00 AM - 6:00 PM	Graduate School Forum	TCC, East Exhibit Hall
	9:00 AM - 6:00 PM	Exhibits & Career Center Open	TCC, East Exhibit Hall
199	9:25 AM - 11:30 AM	Estimating Soil Physical Properties	TCC, 21
200	9:25 AM - 11:45 AM	General Organic Management Systems Oral I (includes student competition)	TCC, 31
201	9:25 AM - 3:15 PM	Examples of Model Applications in Field Research Oral	TCC, 12
202	9:30 AM - 10:35 AM	Soil Mineralogy General Oral	Marriott, Room 3
	9:30 AM - 11:00 AM	ACS321 Editorial Affairs	Marriott, Room 5
203	9:30 AM - 11:10 AM	Community Engagement and Public Participation in Environmental Research	Marriott, Grand Ballroom G
204	9:30 AM - 11:30 AM	Special Session--Negotiation Strategies for Early Career Scientists Workshop	TCC, 25
205	9:30 AM - 11:30 AM	Symposium--A Cross-Section of Sensors for Improving Crop Water Management	TCC, 6
206	9:30 AM - 11:30 AM	Symposium--Tools and Technologies for Consulting Soil Scientists	Marriott, Room 6
207	9:30 AM - 11:30 AM	Symposium--New Insights on Biogeochemical Processes in Terrestrial Ecosystems As Revealed By Isotopic and Biomarker Approaches I	Marriott, Florida Salon I-III
208	9:30 AM - 11:30 AM	Symposium--Coevolution of Soils and Landforms (includes student competition)	TCC, 18
209	9:30 AM - 11:30 AM	Soil Processes and Performance in Constructed Wetlands	TCC, 11
210	9:30 AM - 11:35 AM	Symposium--Current Issues in Soil and Water Management	TCC, 8
211	9:30 AM - 11:35 AM	Symposium--Soil Chemistry, Food Security and Human Health	Marriott, Grand Ballroom J
212	9:30 AM - 11:50 AM	Biogeochemistry of Natural and Engineered Nanoparticles in the Environment I (includes student competition)	Marriott, Grand Ballroom H
213	9:30 AM - 12:00 PM	Nutrient Management and Soil and Plant Analysis General Oral I	TCC, 10
214	9:30 AM - 12:00 PM	Soil Biology and Biochemistry General Session II	TCC, 36
215	9:30 AM - 12:00 PM	Organic Nutrient Sources and Enhancers	TCC, 9
216	9:30 AM - 12:00 PM	Managing, Manipulating, and Predicting Phosphorus Losses in Phosphorus Saturated Soils: Current State of the Science Oral (includes student competition)	Marriott, Room 4
217	9:30 AM - 2:45 PM	Soil and Water Management and Conservation General Oral II (includes student competition)	Marriott, Room 12
218	9:30 AM - 3:00 PM	Managing Soils and Crops with Cover Crops	Marriott, Room 11
	9:30 AM - 4:30 PM	Clearwater Marine Aquarium Dolphin Explorer	TCC, Front Drive
219	9:55 AM - 12:00 PM	Understanding the Biology of High Carbon and Low Disturbance Soils: A Key to Soil Health and Sustainable Intensification	TCC, 37
220	10:00 AM - 11:35 AM	Role of Soil Organic Matter in Soil and Water Management	Marriott, Room 2

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
	10:00 AM - 12:00 PM	Agronomic Science Foundation Board of Directors Meeting	Marriott, Grand Ballroom A
221	10:00 AM - 12:00 PM	Special Session--ACS528 Diversity Student Poster Competition	TCC, East Exhibit Hall
222	10:00 AM - 12:00 PM	Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems II	TCC, 19
223	10:00 AM - 12:00 PM	Symposium--the Role of Precision Ag Tools for Profitability	TCC, 7
224	10:00 AM - 12:00 PM	Applied Pest Management (includes student competition)	TCC, 23
225	10:00 AM - 12:05 PM	Symposium--Genome Editing Technologies for Crop Improvement	Marriott, Florida Salon V
226	10:10 AM - 11:10 AM	Sensor-Based Nutrient Management Oral Session (contains student competition)	TCC, 4
227	10:10 AM - 12:00 PM	Understanding the Yield Gap in World-Wide Wheat Production and the Opportunities for International Collaboration Oral	Marriott, Grand Ballroom C
228	10:10 AM - 12:00 PM	Applications of Soil Moisture Monitoring in Agriculture, Hydrology, and Ecology	TCC, 22
229	10:10 AM - 12:10 PM	Special Session Symposium--The Nutrient Uptake and Outcome Network (NUOnet)	Marriott, Florida Salon VI
230	10:15 AM - 11:30 AM	Poster and 5 Minute Rapid--Ph.D. Grad Student Oral Competition	TCC, 39
231	10:20 AM - 11:45 AM	5 Minute Rapid--Perennial Grain Development	Marriott, Room 10
232	10:30 AM - 11:00 AM	Poster and 5 Minute Rapid--Plant Genetic Resources	Marriott, Florida Salon IV
233	10:30 AM - 12:00 PM	Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers	Marriott, Room 1
234	10:35 AM - 12:00 PM	Nutrient Management Using 4Rs Principles	TCC, 32
235	10:40 AM - 12:00 PM	Speciation and Bioavailability of Nutrients and Pollutants in the Rhizosphere Oral (includes student competition)	Marriott, Grand Ballroom I
236	11:00 AM - 12:00 PM	Calvin Spering Memorial Biodiversity Lectureship	Marriott, Florida Salon IV
237	11:30 AM - 12:00 PM	5 Minute Rapid--Crop Ecology, Management and Quality	TCC, 39
238	11:30 AM - 12:00 PM	Poster and 5 Minute Rapid--Soils and Environmental Quality	Marriott, Grand Ballroom G
	12:00 PM - 12:30 PM	Moderator Training VI	TCC, 15
	12:00 PM - 1:00 PM	Mindfulness Specialty Group Business Meeting	Marriott, Room 6
	12:00 PM - 1:30 PM	SSSA Student and Early Career Meeting Task Force	Marriott, Greco Boardroom
239	12:00 PM - 1:30 PM	Special Session--Science Policy Graduate Student Luncheon	Marriott, Grand Ballroom E
	12:00 PM - 2:00 PM	Golden Opportunity Scholars Lunch and Program	Marriott, Grand Ballroom F
	12:30 PM - 1:30 PM	Soil Methods Editorial Board	Marriott, Room 5
	1:00 PM - 2:00 PM	ACS320 Book and Multimedia Publishing	Marriott, Grand Ballroom A
	1:00 PM - 2:00 PM	CSSA Division Leadership Training	TCC, 33
240	1:00 PM - 3:00 PM	Special Session--Interactive Workshop: Writing Manuscripts for Publication	TCC, 25
241	1:00 PM - 3:50 PM	Global Agronomy General Oral	Marriott, Room 4
242	1:25 PM - 2:45 PM	Applying Soil Physics and Hydrology to Soil Health	TCC, 21
243	1:25 PM - 4:00 PM	Symposium--Sea Level Rise Impacts on Coastal Soil Quality and Nutrient Dynamics	TCC, 24
244	1:25 PM - 4:00 PM	Nutrient Management and Soil and Plant Analysis General Oral II	Marriott, Florida Salon V
245	1:30 PM - 2:30 PM	Seed Physiology, Production and Technology General Oral	TCC, 31
246	1:30 PM - 2:55 PM	Future of Weed Science: Thinking Beyond Herbicides in the Agricultural Landscape	TCC, 4
247	1:30 PM - 3:30 PM	Symposium--How Is Plant Breeding Evolving with Rapidly Emerging Data Sciences?	Marriott, Grand Ballroom H
248	1:30 PM - 3:30 PM	Symposium--On-Farm Research: Data Exploration and Analysis	Marriott, Grand Ballroom I and J
249	1:30 PM - 3:30 PM	Symposium--Evapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions	TCC, 9
250	1:30 PM - 3:30 PM	Symposium--Beyond Indicators and Tradeoffs: Translating Sustainable Intensification Assessments into Action	Marriott, Room 8 and 9
251	1:30 PM - 3:30 PM	Symposium--Growing Relationships: Biochar Connections to Global Sustainability of Soil, Food, Energy and Environment	TCC, Ballroom A
252	1:30 PM - 3:30 PM	Symposium--Cover Crops and Forage Utilization in Integrated Crop-Livestock Systems III	TCC, 19
253	1:30 PM - 3:30 PM	Symposium--Root Physiology: Integration of Molecular Biology to Functional Traits	TCC, 22
254	1:30 PM - 3:30 PM	Turf Pest Management: Insects and Diseases	Marriott, Grand Ballroom B
255	1:30 PM - 3:30 PM	CrossDiv--Symposium--Agroforestry for Sustainable Resource Management and Food Security	TCC, 18

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
256	1:30 PM - 3:30 PM	Symposium--Microbial Controls on Soil Carbon and Nutrient Ecological Flows in Terrestrial Ecosystems	TCC, 10
257	1:30 PM - 3:30 PM	Symposium--Celebrating the Impactful Career of Dr. E.J. Kamprath	Marriott, Florida Salon VI
258	1:30 PM - 3:35 PM	Symposium--Long-Term Agro-Ecosystem Research (LTAR)	TCC, 14
259	1:30 PM - 3:35 PM	Partnerships with Private and Public Entities	Marriott, Grand Ballroom D
260	1:30 PM - 3:35 PM	Symposium--the Bridge from Biofortification to Bioavailability	TCC, 11
261	1:30 PM - 3:35 PM	Symposium--New Insights on Biogeochemical Processes in Terrestrial Ecosystems As Revealed By Isotopic and Biomarker Approaches II	TCC, 20
262	1:30 PM - 3:35 PM	Symposium--Societal Challenges and Soil Chemistry	TCC, 15
263	1:30 PM - 3:35 PM	Symposium--Soils, Minerals and Landscapes of the Gulf Coast	TCC, 2
264	1:30 PM - 3:35 PM	Symposium--Biogeochemistry of Natural and Engineered Nanoparticles in the Environment II	TCC, 6
265	1:30 PM - 3:35 PM	Symposium--Pb in Urban Soils	TCC, 32
266	1:30 PM - 3:50 PM	Genomics, Molecular Biology and Biotechnology	TCC, 23
267	1:30 PM - 4:15 PM	Turf Physiology, Breeding and Genetics	Marriott, Florida Salon I-III
268	1:30 PM - 4:20 PM	Plant Genetic Resources General Oral	TCC, 1
269	1:30 PM - 4:30 PM	Development of Tools for Precision Agriculture II	TCC, 8
270	1:30 PM - 4:30 PM	Soil Health for Agroecosystems Oral	TCC, 3
271	1:30 PM - 4:30 PM	Turf Weed Management and Plant Growth Regulators (includes student competition)	Marriott, Florida Salon IV
272	1:30 PM - 4:40 PM	Alternative Cropping Systems and Soil Health	TCC, 7
273	2:00 PM - 4:30 PM	Special Session--Women in Science Workshop: Connecting Mindfulness and Work-Life Balance	TCC, Ballroom D
274	2:00 PM - 4:00 PM	Symposium--Double-Cropping Systems for Soybean	TCC, 5
275	2:00 PM - 4:00 PM	Symposium--Importance of Soil Health to Food Security: National and Global Security Concerns	Marriott, Room 3
276	2:00 PM - 4:05 PM	Symposium--New Ideas and Instruments in Pedology (includes student competition)	Marriott, Grand Ballroom C
277	2:00 PM - 6:00 PM	William H. Patrick, Jr. Memorial Lectureship	TCC, 13
	2:30 PM - 3:00 PM	AE Training for A302 Agronomy Journal Editorial Board	Marriott, Grand Ballroom G
278	2:30 PM - 3:15 PM	CSSA Business Meeting--Seed Physiology, Production and Technology	TCC, 31
279	2:45 PM - 4:50 PM	Poster and 5 Minute Rapid--Soil Physics and Hydrology Division Student Competition, Part 1 - Lightning Orals	TCC, 21
	3:00 PM - 5:00 PM	A302 Agronomy Journal Editorial Board	Marriott, Grand Ballroom G
280	3:15 PM - 5:00 PM	Special Session--Expert panel: ASA/CSSA/SSSA Journals – From Manuscript Submission to Publishing.	TCC, 25
281	3:30 PM - 4:00 PM	Round Table--On-Farm Research: Data Exploration and Analysis with Community Planning Sessions	Marriott, Grand Ballroom I and J
282	3:30 PM - 4:30 PM	SSSA Business Meeting--Wetland Soils	TCC, 13
283	3:30 PM - 5:00 PM	Round Table--Beyond Indicators and Tradeoffs: Translating Sustainable Intensification Assessments into Action	Marriott, Room 8 and 9
284	3:45 PM - 4:20 PM	Poster and 5 Minute Rapid--Biomedical, Health-Beneficial and Nutritionally Enhanced Plants	TCC, 11
285	3:45 PM - 4:30 PM	Panel Discussion: Soil Chemistry and Grand Challenges of Food, Water, Energy and Climate	TCC, 15
286	3:50 PM - 4:30 PM	ASA Business Meeting--Global Agronomy	Marriott, Room 4
287	4:00 PM - 4:30 PM	ASA Business Meeting--Biometry and Statistical Computing	Marriott, Grand Ballroom I and J
288	4:00 PM - 5:00 PM	SSSA Business Meeting--Nutrient Management and Soil and Plant Analysis	Marriott, Florida Salon VI
289	4:00 PM - 5:00 PM	SSSA Business Meeting--Soil Fertility and Plant Nutrition	Marriott, Florida Salon VI
290	4:00 PM - 5:30 PM	SSSA Business Meeting--Urban and Anthropogenic Soils	TCC, 32
291	4:00 PM - 6:00 PM	Bioenergy Systems Poster Competition	TCC, East Exhibit Hall
292	4:00 PM - 6:00 PM	General Organic Management Systems Poster (includes student competition)	TCC, East Exhibit Hall
293	4:00 PM - 6:00 PM	Evapotranspiration Measurement and Modeling Poster (includes student competition)	TCC, East Exhibit Hall
294	4:00 PM - 6:00 PM	Global Climate Change and AgMIP: More Recent Observations and Adaptations Poster	TCC, East Exhibit Hall
295	4:00 PM - 6:00 PM	Soil-Plant-Water Relations Poster (includes student competition)	TCC, East Exhibit Hall
296	4:00 PM - 6:00 PM	Undergraduate Education General Poster Session	TCC, East Exhibit Hall

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
297	4:00 PM - 6:00 PM	Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate Greenhouse Gas Emissions Poster	TCC, East Exhibit Hall
298	4:00 PM - 6:00 PM	Tropical Legumes General Poster (includes student competition)	TCC, East Exhibit Hall
299	4:00 PM - 6:00 PM	Soil Health for Agroecosystems Poster (includes student competition)	TCC, East Exhibit Hall
300	4:00 PM - 6:00 PM	Crop Breeding & Genetics Poster II	TCC, East Exhibit Hall
301	4:00 PM - 6:00 PM	Crop Breeding & Genetics Poster III	TCC, East Exhibit Hall
302	4:00 PM - 6:00 PM	Crop Physiology and Metabolism Poster I	TCC, East Exhibit Hall
303	4:00 PM - 6:00 PM	Crop Ecology, Management and Quality General Poster II	TCC, East Exhibit Hall
304	4:00 PM - 6:00 PM	M.S. Grad Student Poster Competition	TCC, East Exhibit Hall
305	4:00 PM - 6:00 PM	Sports and Golf Turf Management Poster (includes student competition)	TCC, East Exhibit Hall
306	4:00 PM - 6:00 PM	Turf Fertility, Nutrition and Water Quality Poster (includes student competition)	TCC, East Exhibit Hall
307	4:00 PM - 6:00 PM	Turf Management: Pests Poster (includes student competition)	TCC, East Exhibit Hall
308	4:00 PM - 6:00 PM	Turf Science and Management General Poster (includes student competition)	TCC, East Exhibit Hall
309	4:00 PM - 6:00 PM	Forages in the Intermediate South and Southern Plains Poster	TCC, East Exhibit Hall
310	4:00 PM - 6:00 PM	Plant Genetic Resources General Poster	TCC, East Exhibit Hall
311	4:00 PM - 6:00 PM	Biomedical, Health-Beneficial and Nutritionally Enhanced Plants General Poster	TCC, East Exhibit Hall
312	4:00 PM - 6:00 PM	New Insights on Biogeochemical Processes in Terrestrial Ecosystems As Revealed By Isotopic and Biomarker Approaches Poster	TCC, East Exhibit Hall
313	4:00 PM - 6:00 PM	Soil and Water Management and Conservation General Poster II (includes student competition)	TCC, East Exhibit Hall
314	4:00 PM - 6:00 PM	Soil Biology and Biochemistry Graduate Student Poster Competition	TCC, East Exhibit Hall
315	4:00 PM - 6:00 PM	Surface Residue Management and Impacts on Soil Biology and Soil Health Poster	TCC, East Exhibit Hall
316	4:00 PM - 6:00 PM	Microbial Transformations of Minerals, Metals and Organic Matter: Impacts on Contaminant Dynamics and Carbon Storage Poster (includes student competition)	TCC, East Exhibit Hall
317	4:00 PM - 6:00 PM	The Role of Soils in Mitigating Environmental Contaminant Exposure Poster (includes student competition)	TCC, East Exhibit Hall
318	4:00 PM - 6:00 PM	Managing, Manipulating, and Predicting Phosphorus Losses in Phosphorus Saturated Soils: Current State of the Science Poster (includes student competition)	TCC, East Exhibit Hall
319	4:00 PM - 6:00 PM	Soils and Environmental Quality General Poster	TCC, East Exhibit Hall
320	4:30 PM - 6:00 PM	Wetland Soils Mixer	TCC, 13
321	5:00 PM - 6:00 PM	Soil Physics and Hydrology Division Student Competition, Part 2 - Posters	TCC, East Exhibit Hall
322	5:00 PM - 6:45 PM	Launch of the Sustainable Intensification Assessment Framework	Marriott, Room 8 and 9
323	5:15 PM - 8:00 PM	Leo M. Walsh Soil Fertility Distinguished Lectureship	Marriott, Florida Salon VI
	5:30 PM - 7:00 PM	S303 Vadose Zone Journal Editorial Board	Marriott, Grand Ballroom A
324	5:30 PM - 7:00 PM	Special Session--Elevator Speech Contest for Grad Students and Post-Docs	TCC, 3
	5:30 PM - 7:30 PM	ISU Mixer	Marriott, Florida Salon I-III
325	6:00 PM - 7:00 PM	SSSA Business Meeting--Soil Chemistry	TCC, 5
326	6:10 PM - 7:30 PM	SSSA Business Meeting--Soil Mineralogy	TCC, 2
327	6:30 PM - 7:15 PM	SSSA Business Meeting--Soils and Environmental Quality	TCC, 6
	6:30 PM - 7:30 PM	Speciality Group Social - LGBTQ+ Scientists and Allies	Marriott, Room 6
	6:30 PM - 8:30 PM	PacNW Tri-State Alumni Reception	Marriott, Room 4
	6:30 PM - 8:30 PM	University of Nebraska-Lincoln Department of Agronomy and Horticulture, Big Red Mixer	Marriott, Grand Ballroom C
	7:00 PM - 8:30 PM	ACS Graduate Student Committee	TCC, 3
328	7:00 PM - 8:30 PM	Screening of "Between Earth and Sky"	TCC, Ballroom D

Wednesday

	7:00 AM - 7:30 AM	Moderator Training VII	TCC, 15
329	7:00 AM - 9:00 AM	ASA Breakfast, Awards, and Plenary (E.T. & Vam York Distinguished ASA Lectureship)	Marriott, Grand Ballroom E and F
	7:00 AM - 4:30 PM	Extension Materials on Display III	TCC, East Exhibit Hall
	7:30 AM - 4:00 PM	Mosaic Phosphate Mine	TCC, Front Drive
330	7:55 AM - 9:15 AM	New Paradigms of Soil Organic Matter and Consequences for Forest Soils and Management Oral	TCC, 20

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
331	7:55 AM - 9:45 AM	Soil Physics and Hydrology General Oral	Marriott, Grand Ballroom I and J
332	7:55 AM - 12:10 PM	Nitrogen Efficiency, Cycling and Environmental Impacts	TCC, 10
333	8:00 AM - 9:40 AM	Crop Breeding & Genetics Oral III : Focus on Phenotyping	Marriott, Florida Salon VI
334	8:00 AM - 9:50 AM	Surface Residue Management and Impacts on Soil Biology and Soil Health	TCC, 22
335	8:00 AM - 10:00 AM	Symposium--Building Soil Organic Matter and Improving Soil Function in Grazing Lands	TCC, 19
336	8:00 AM - 10:00 AM	Symposium--Phenotyping Plant Genetic Resources to Support Climate Smart Agriculture	TCC, 1
337	8:00 AM - 10:35 AM	Crop Physiology and Metabolism General Oral III	TCC, 5
338	8:00 AM - 10:45 AM	Soil and Water Management and Conservation General Oral III	TCC, 31
339	8:00 AM - 11:40 AM	Soils and Environmental Quality General Oral II	TCC, 39
340	8:00 AM - 11:50 AM	Phosphorus, Potassium and Other Nutrients - Soil Fertility and Plant Nutrition	TCC, 13
341	8:00 AM - 12:00 PM	Special Session Symposium--Humic Products: Uses in Crop Production and Soil Improvement	Marriott, Grand Ballroom B
342	8:00 AM - 12:00 PM	Soil Chemistry General Oral	TCC, 37
343	8:10 AM - 9:15 AM	The Future of Soil Horizon Research (includes student competition)	Marriott, Grand Ballroom D
344	8:15 AM - 9:30 AM	5 Minute Rapid--General Turf Topics and USGA-Gcsaa Research	TCC, 23
345	8:25 AM - 11:35 AM	Environmental Fate of Chemicals of Emerging Concern Oral (includes student competition)	TCC, 36
	8:30 AM - 9:00 AM	Mindfulness Specialty Group: Wednesday	Marriott, Room 4
346	8:30 AM - 12:00 PM	The Role of Soils in Mitigating Environmental Contaminant Exposure Oral (includes student competition)	TCC, 38
347	9:00 AM - 10:45 AM	Wetland Soils General Oral (includes student competition)	TCC, 7
	9:00 AM - 10:00 AM	SSSA Division Leadership Training	TCC, 24
348	9:00 AM - 10:55 AM	Symposium--Soil Health Management and Assessment	TCC, 9
	9:00 AM - 4:30 PM	Graduate School Forum	TCC, East Exhibit Hall
	9:00 AM - 4:30 PM	Exhibits & Career Center Open	TCC, East Exhibit Hall
349	9:15 AM - 10:20 AM	Fire Effects on Soils Oral	TCC, 20
350	9:15 AM - 10:45 AM	CSSA Business Meeting--Crop Ecology, Management and Quality	Marriott, Room 11
351	9:15 AM - 11:05 AM	Symposium--Soil and Fertilizer Management for Food Crops to Improve Human Mineral Nutrition	TCC, 11
352	9:30 AM - 10:20 AM	Undergraduate Education General Oral Session	Marriott, Room 10
	9:30 AM - 10:30 AM	Crops & Soils Editorial Board Meeting	Marriott, Room 12
353	9:30 AM - 10:55 AM	Special Session Symposium--Soil Organic Matter Management Alternatives in a Smallholder Context	TCC, Ballroom A
	9:30 AM - 11:00 AM	Science Not Silence: An Advocacy Workshop †	Marriott, Room 9
354	9:30 AM - 11:15 AM	Beyond RCBD:Experimental Design for Spatial Variability	Marriott, Florida Salon I-III
355	9:30 AM - 11:30 AM	Symposium--Using Economic Analyses to Complement Agronomic Data	Marriott, Room 2
356	9:30 AM - 11:35 AM	Special Session Symposium--Organic Agriculture Soil Health Research	Marriott, Grand Ballroom G and H
357	9:30 AM - 11:35 AM	Education and Extension General Oral	Marriott, Grand Ballroom C
358	9:30 AM - 11:50 AM	Symposium--Advances in Characterizing Agriculture's Role in the Nitrogen Cycle: Measurement Methods, Instruments, and Insights	Marriott, Florida Salon IV
359	9:30 AM - 12:00 PM	Agronomic Production Systems General Oral II	Marriott, Grand Ballroom D
360	9:30 AM - 12:00 PM	Climatology and Modeling Oral General II	Marriott, Florida Salon V
361	9:30 AM - 12:00 PM	Crop Water Management By Plant or Soil Water Sensors	Marriott, Room 1
362	9:30 AM - 12:00 PM	Amending Degraded Soils with Biochar to Promote Revitalization: The Chemistry, Physics and Biology of Biochar Mediated Soil Revitalization	TCC, 21
363	9:30 AM - 12:00 PM	Economics of Cover Crops and Impact on Crop Productivity	TCC, 18
364	9:30 AM - 12:15 PM	Soil Carbon and Greenhouse Gas Emissions General Oral II	TCC, 14
	9:30 AM - 3:30 PM	Tarpon Springs, Home of the Sponge Docks	TCC, Front Drive
365	9:30 AM - 4:15 PM	Nutrient Source Control at the Field, Farm and Watershed Scales (includes student competition)	TCC, 12
366	9:40 AM - 11:25 AM	Evapotranspiration Measurement and Modeling Oral (includes student competition)	Marriott, Room 3
367	9:50 AM - 12:00 PM	CSSA Business Meeting--Turf Science	TCC, 23
368	9:55 AM - 12:00 PM	Symposium--Proximal and Remote Sensing Techniques in Soil Physics and Hydrology	Marriott, Grand Ballroom I and J

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
369	10:00 AM - 10:55 AM	Advancing Pedology in the 21st Century	Marriott, Florida Salon VI
370	10:00 AM - 11:25 AM	Nutrient Management: Science, Laws and Regulations	TCC, 8
	10:00 AM - 11:30 AM	Generation Image – Photography 101 for Communicating Science and Research-Wednesday †	TCC, 15
371	10:00 AM - 11:35 AM	Agroforestry for Soil Health and Water Quality Benefits	TCC, 33
372	10:00 AM - 11:35 AM	Soil Health Assessment and Tools	TCC, 32
373	10:00 AM - 11:40 AM	Tropical Legumes General Oral (includes student competition)	TCC, 3
	10:00 AM - 12:00 PM	ACS324.1 Journal of Environmental Quality Editorial Board	Marriott, Grand Ballroom A
374	10:10 AM - 12:10 PM	Symposium--Giants of Agricultural Progress and Impacts from Public Agricultural Research	TCC, 19
375	10:10 AM - 12:10 PM	Symposium--the Role of Seeds in Conservation of Genetic Resources and Landscapes	TCC, 1
376	10:20 AM - 10:55 AM	Sergei A. Wilde Early Career Achievement Award Lectureship	TCC, 20
377	10:30 AM - 12:00 PM	Symposium--“Hot” Tools and Technologies from Public- and Private-Sector Agronomy Programs	Marriott, Room 10
378	10:30 AM - 12:00 PM	Francis E. Clark Distinguished Lectureship on Soil Biology	TCC, 22
379	10:40 AM - 11:40 AM	CSSA Business Meeting--Crop Physiology and Metabolism	TCC, 5
380	10:55 AM - 11:55 AM	SSSA Business Meeting--Pedology	Marriott, Florida Salon VI
381	10:55 AM - 12:00 PM	Crop Ecology, Management and Quality General Oral III	Marriott, Room 11
382	11:00 AM - 12:00 PM	Sergei A. Wilde Distinguished Lectureship on Forest Soils	TCC, 20
383	11:00 AM - 12:20 PM	Symposium--Soil Organic Matter Management Alternatives for Smallholders	TCC, Ballroom A
384	11:15 AM - 12:00 PM	Bayesian Based Agronomic Decision Systems	Marriott, Florida Salon I-III
385	11:30 AM - 1:00 PM	Special Session--Science and Future of Sustainable Biotechnology- A Think Tank Session	TCC, 25
386	12:00 PM - 1:00 PM	SSSA Business Meeting--Soil Biology and Biochemistry	TCC, Ballroom D
387	12:00 PM - 1:30 PM	SSSA Business Meeting--Soil Physics and Hydrology	Marriott, Grand Ballroom F
388	1:00 PM - 1:45 PM	5 Minute Rapid: Crop Breeding & Genetics Oral IV	TCC, 9
	1:00 PM - 2:00 PM	Kirkham Conference Committee Meeting	Marriott, Grand Ballroom A
389	1:00 PM - 2:30 PM	ASA Business Meeting--Environmental Quality	TCC, 8
	1:00 PM - 5:00 PM	Humic Products Trade Association Annual Meeting	Marriott, Grand Ballroom G and H
	1:00 PM - 5:00 PM	Analyzing Repeated Measures Data †	TCC, 7
390	1:20 PM - 2:30 PM	Land Management and Conservation General Oral	TCC, 1
391	1:30 PM - 2:25 PM	Poster and 5 Minute Rapid--Crop Ecology, Management and Quality	TCC, 31
392	1:30 PM - 2:25 PM	Biomedical, Health-Beneficial and Nutritionally Enhanced Plants General Oral	TCC, 11
393	1:30 PM - 2:30 PM	ASA Business Meeting--Agronomic Production Systems	TCC, 5
394	1:30 PM - 2:30 PM	Biometry and Statistical Computing General Oral	TCC, 37
395	1:30 PM - 2:30 PM	ASA Business Meeting--Education and Extension	TCC, 13
396	1:30 PM - 2:30 PM	National and International Policy and Incentives for Soil Health	TCC, 3
397	1:30 PM - 2:30 PM	CSSA Business Meeting--Forage and Grazinglands	TCC, 19
398	1:30 PM - 2:30 PM	SSSA Business Meeting--Soil and Water Management and Conservation	TCC, 33
399	1:30 PM - 2:50 PM	Micronutrients - Soil Fertility and Plant Nutrition	TCC, 39
	1:30 PM - 3:00 PM	Special Session--Relatable Science – Communicating in 2017	TCC, 15
400	1:30 PM - 3:00 PM	SSSA Business Meeting--Forest, Range and Wildland Soils	TCC, 38
401	1:30 PM - 3:05 PM	Proximal and Remote Sensing Techniques in Soil Physics and Hydrology	Marriott, Grand Ballroom I and J
402	1:30 PM - 3:20 PM	Symposium--Next Generation Soil Health Assessment	TCC, 18
403	1:30 PM - 3:20 PM	Managing Nutrients for Vegetable, Fruit and Specialty Crops	TCC, 36
404	1:30 PM - 3:20 PM	Spatial Relationships, Data Analysis, and Bioenergy Crops - Soil Fertility and Plant Nutrition	TCC, 14
405	1:30 PM - 3:30 PM	Special Session--Grant Application Navigation and Resources for Expanding Early Career Opportunities	TCC, 25
406	1:30 PM - 3:35 PM	Soil Biology and Biochemistry Session on Nitrogen Dynamics	TCC, 22
407	1:30 PM - 4:05 PM	General Organic Management Systems Oral II	TCC, 20
	1:30 PM - 4:30 PM	Open Source Decision Support Tools and Systems for Improving Soil Health and Ecosystem Services (by invitation only)	Marriott, Grand Ballroom C
408	1:45 PM - 2:30 PM	CSSA Business Meeting--Joint Division C01 and C07	TCC, 9
	2:00 PM - 3:00 PM	Women in Science Committee Meeting	Marriott, Greco Boardroom
	2:30 PM - 3:00 PM	ASA Community Stewardship and Review Committee	TCC, 32
409	2:30 PM - 4:30 PM	Agronomic Production Systems General Poster	TCC, East Exhibit Hall

Sessions requiring tickets designated with "†"

No.	TIME	SESSION TITLE	LOCATION
410	2:30 PM - 4:30 PM	General Bioenergy Systems Poster	TCC, East Exhibit Hall
411	2:30 PM - 4:30 PM	Biometry and Statistical Computing General Poster	TCC, East Exhibit Hall
412	2:30 PM - 4:30 PM	Climatology and Modeling General Poster	TCC, East Exhibit Hall
413	2:30 PM - 4:30 PM	Education and Extension General Poster	TCC, East Exhibit Hall
414	2:30 PM - 4:30 PM	Extension and Education in Agronomy Poster	TCC, East Exhibit Hall
415	2:30 PM - 4:30 PM	Extension Materials on Display Poster I	TCC, East Exhibit Hall
416	2:30 PM - 4:30 PM	Beef and Dairy Systems: Economics and Environmental Footprint Poster (includes student competition)	TCC, East Exhibit Hall
417	2:30 PM - 4:30 PM	Nutrient Dynamics and Management in Dairy and Beef Cattle Production Systems Poster (includes student competition)	TCC, East Exhibit Hall
418	2:30 PM - 4:30 PM	Nutrient Management and Environmental Quality General Poster (includes student competition)	TCC, East Exhibit Hall
419	2:30 PM - 4:30 PM	Soil Carbon and Greenhouse Gas Emissions General Poster I	TCC, East Exhibit Hall
420	2:30 PM - 4:30 PM	Global Agronomy General Poster	TCC, East Exhibit Hall
421	2:30 PM - 4:30 PM	Land Management and Conservation General Poster	TCC, East Exhibit Hall
422	2:30 PM - 4:30 PM	Crop Physiology and Metabolism Poster II	TCC, East Exhibit Hall
423	2:30 PM - 4:30 PM	Crop Ecology, Management and Quality General Poster III	TCC, East Exhibit Hall
424	2:30 PM - 4:30 PM	Forages in Florida and the Tropics Poster	TCC, East Exhibit Hall
425	2:30 PM - 4:30 PM	Forages in Northern Areas Poster	TCC, East Exhibit Hall
426	2:30 PM - 4:30 PM	Fire Effects on Soil Posters	TCC, East Exhibit Hall
427	2:30 PM - 4:30 PM	New Paradigms of Soil Organic Matter and Consequences for Forest Soils and Management Poster	TCC, East Exhibit Hall
428	2:30 PM - 4:30 PM	Coevolution of Soils and Landscapes Poster (includes student competition)	TCC, East Exhibit Hall
429	2:30 PM - 4:30 PM	New Ideas and Instruments in Pedology Poster (includes student competition)	TCC, East Exhibit Hall
430	2:30 PM - 4:30 PM	Managing Soils and Crops with Cover Crops Poster	TCC, East Exhibit Hall
431	2:30 PM - 4:30 PM	Soil and Water Management and Conservation General Poster III	TCC, East Exhibit Hall
432	2:30 PM - 4:30 PM	Soil Chemistry General Poster	TCC, East Exhibit Hall
433	2:30 PM - 4:30 PM	Enhanced Efficiency N Fertilizers/N Management/Volatile N Loss Poster	TCC, East Exhibit Hall
434	2:30 PM - 4:30 PM	Nutrients from Organic and Non-Traditional Fertilizers Poster	TCC, East Exhibit Hall
435	2:30 PM - 4:30 PM	Phosphorus Poster	TCC, East Exhibit Hall
436	2:30 PM - 4:30 PM	Soil Fertility and Plant Nutrition of Agronomic Crops Poster I	TCC, East Exhibit Hall
437	2:30 PM - 4:30 PM	Soil Fertility and Plant Nutrition of Agronomic Crops Poster II	TCC, East Exhibit Hall
438	2:30 PM - 4:30 PM	Soil Physics and Hydrology General Poster Session 1	TCC, East Exhibit Hall
439	2:30 PM - 4:30 PM	Wetland Soils General Poster (includes student competition)	TCC, East Exhibit Hall
440	2:40 PM - 3:40 PM	CSSA Business Meeting--Biomedical, Health-Beneficial and Nutritionally Enhanced Plants	TCC, 11
441	2:45 PM - 3:15 PM	ASA Business Meeting--Land Management and Conservation	TCC, 1
	3:00 PM - 4:00 PM	ASA Section and Community Feedback Meeting	TCC, 32
442	3:00 PM - 4:30 PM	Proximal and Remote Sensing Techniques in Soil Physics and Hydrology - Posters	TCC, East Exhibit Hall
443	3:00 PM - 4:30 PM	Soil Physics and Hydrology General Poster Session 2	TCC, East Exhibit Hall
444	3:30 PM - 4:30 PM	Special Session--Science Communicators Reception	TCC, 15
	4:30 PM - 5:00 PM	Closing Reception	TCC, Ballroom C Foyer
445	5:00 PM - 6:00 PM	ASA, CSSA and SSSA Closing Keynote	TCC, Ballroom C
Thursday			
	7:30 AM - 10:00 AM	CSSA Board of Directors Meeting	Marriott, Grand Ballroom A
	8:00 AM - 12:00 PM	Global Agronomy Tour of the Gulf Coast Research & Education Center †	TCC, Front Drive
	9:00 AM - 12:00 PM	Open Source Decision Support Tools and Systems for Improving Soil Health and Ecosystem Services (by invitation only)	Marriott, Grand Ballroom C
	9:00 AM - 3:00 PM	Tour the Citrus Research and Education Center in Lake Alfred, FL †	TCC, Front Drive

