

## 26<sup>TH</sup> AAS/AIAA SPACE FLIGHT MECHANICS MEETING

### CONFERENCE INFORMATION

#### GENERAL INFORMATION

Welcome to the 26th Space Flight Mechanics Meeting, hosted by the American Astronautical Society (AAS) and co-hosted by the American Institute of Aeronautics and Astronautics (AIAA), February 14 – 18, 2016 (<https://www.facebook.com/AAS-Space-Flight-Mechanics-Committee-1275373679142776/> on social media). This meeting is organized by the AAS Space Flight Mechanics Committee and the AIAA Astrodynamics Technical Committee, and held at the Embassy Suites Hotel, 1075 California Boulevard, Napa, CA 94559, (707)-253-9540, <http://www.embassysuitesnapahotel.com/>.

#### REGISTRATION

**Registration Site** ( <https://www.xcdsystem.com/aas/index.cfm> )

In order to encourage early registration, we have implemented the following conference registration rate structure: **Register by December 31, 2015 and save \$70!**

Category	Early Registration (through Dec 31, 2015)	Registration (beginning Jan 1, 2016)	Walk-up Registration (beginning Feb 1, 2016)
Full - AAS or AIAA Member	\$525	\$595	\$695
Full - Non-member	\$625	\$695	\$795
Retired or Student* - Member	\$220	\$290	\$390
Retired or Student* - Non-member	\$320	\$390	\$490

*\*does not include proceedings CD*

Refunds will be issued in full until January 31, 2016. A 10% fee will be assessed for all refunds issued after that date and until 8:00 am PST February 15, 2016. No refunds will be issued after 8:00 am PST February 15, 2016.

One ticket to the Markham Winery for wine tasting and dinner on Tuesday evening is included with every registration. Bus transportation is provided from the conference hotel to the winery and back. Please be sure to bring a valid photo ID in order to be served. Guest tickets for the tasting/dinner may be purchased for \$100. More information about the wine tasting and dinner is included below.

All registrants and guests are invited to the welcome reception on Sunday evening for food and drinks.

A conference registration and check-in table will be located in the Fountain Court of the Embassy Suites Hotel and will be staffed according to the following schedule:

- Sunday February 14: 3pm – 6pm
- Monday February 15: 7:30am – 2pm
- Tuesday February 16: 8am – 2pm
- Wednesday February 17: 8am – 2pm
- Thursday February 18: 8am – 10 am

We will accept registration and payment on-site for those who have not pre-registered online, but we strongly recommend online registration before the conference in order to avoid delays (see URL above). Pre-registration also gives you free access to pre-print technical papers. On-site payment by credit card will be only through the AAS website using a computer at the registration table. Any checks should be made payable to the “**American Astronautical Society.**”

## SCHEDULE OF EVENTS

Technical sessions begin on Monday, 15 February, at 8 am. The last technical sessions end at 3:30 pm on Thursday, 18 February. Presentations are limited to 15 minutes with an additional 5 minutes for questions and answers. Each session has a 20-minute morning or afternoon break. Authors are required to be in their session room 30 minutes prior to the start of their sessions. No speakers' breakfast will be served.

Day	Start	End	Function	Room
<i>Sunday 14 February</i>	3pm	6pm	Registration	Fountain Court
	6pm	9pm	Early Bird Reception (Food and Hosted Bar)	Fountain Court
<i>Monday 15 February</i>	7:30am	2pm	Registration	Fountain Court
	8am	12pm	Session 1:	Pinot Noir BC
	8am	12pm	Session 2:	Cabernet
	8am	12pm	Session 3:	Sauvignon
	8am	12pm	Session 4:	Chardonnay AB
	10am	10:20am	Morning Break	Fountain Court
	Noon	1:30pm	Joint Technical Committee Lunch	Chardonnay C
	1:30pm	4:50pm	Session 5:	Pinot Noir BC
	1:30pm	4:50pm	Session 6:	Cabernet
	1:30pm	4:50pm	Session 7:	Sauvignon
	1:30pm	4:50pm	Session 8:	Chardonnay AB
	3:10pm	3:30pm	Afternoon Break	Fountain Court
	5pm	6pm	Dirk Brouwer Award Plenary and Breakwell Student Travel Award Presentation	Chardonnay ABC
	6pm	7pm	Cocktail Reception	TBD

Day	Start	End	Function	Room
<b>Tuesday</b> <b>16 February</b>	8am	2pm	Registration	Fountain Court
	8am	12pm	Session 9:	Pinot Noir BC
	8am	12pm	Session 10:	Cabernet
	8am	12pm	Session 11:	Sauvignon
	8am	12pm	Session 12:	Chardonnay AB
	10am	10:20am	Morning Break	Fountain Court
	Noon	1:30pm	AIAA Technical Committee Lunch	Chardonnay C
	1:30pm	4:50pm	Session 13:	Pinot Noir BC
	1:30pm	4:50pm	Session 14:	Cabernet
	1:30pm	4:50pm	Session 15:	Sauvignon
	1:30pm	4:50pm	Session 16:	Chardonnay AB
	3:10pm	3:30pm	Afternoon Break	Fountain Court
	6pm	9pm	Offsite Event: Markham Winery Tasting and Dinner <b>Buses depart the Embassy Suites at 5:30pm</b>	Markham Winery
<b>Wednesday</b> <b>17 February</b>	8am	2pm	Registration	Fountain Court
	8am	12pm	Session 17:	Pinot Noir BC
	8am	12pm	Session 18:	Cabernet
	8am	12pm	Session 19:	Sauvignon
	8am	12pm	Session 20:	Chardonnay AB
	10am	10:20am	Morning Break	Fountain Court
	Noon	1:30pm	AAS Technical Committee Lunch	Chardonnay C
	1:30pm	6:30pm	Session 21:	Pinot Noir BC

<b>Day</b>	<b>Start</b>	<b>End</b>	<b>Function</b>	<b>Room</b>
<b>Wednesday 17 February</b>	1:30pm	6:30pm	Session 22:	Cabernet
	1:30pm	6:30pm	Session 23:	Sauvignon
	1:30pm	6:30pm	Session 24:	Chardonnay AB
	3:30pm	3:50pm	Afternoon Break	Fountain Court
	TBD	TBD	Conference Administration Subcommittee	Pinot Noir BC
	TBD	TBD	Technical Administration Subcommittee	Cabernet
	TBD	TBD	Website Administration Subcommittee	Sauvignon
<b>Thursday 18 February</b>	8am	10am	Registration	Fountain Court
	8am	12pm	Session 25:	Pinot Noir BC
	8am	12pm	Session 26:	Cabernet
	8am	12pm	Session 27:	Sauvignon
	8am	12pm	Session 28:	Chardonnay AB
	10am	10:20am	Morning Break	Fountain Court
	1:30pm	3:30pm	Session 29:	Pinot Noir BC
	1:30pm	3:30pm	Session 30:	Cabernet
	1:30pm	3:30pm	Session 31:	Sauvignon
	1:30pm	3:30pm	Session 32:	Chardonnay AB

A map of the Embassy Suites Hotel and the relevant meeting rooms appears on the next page.



## **SPECIAL EVENTS**

### ***EARLY BIRD RECEPTION***

Sunday, 14 February      6:00 – 9:00 pm

Location:                      Fountain Court

### ***DIRK BROUWER AWARD PLENARY AND BREAKWELL TRAVEL AWARD PRESENTATION:***

Monday, 15 February      5:00 – 6:00 pm (Ceremony and Lecture)

6:00 – 7:00 pm (Cocktail Reception)

Location:                      Chardonnay ABC

### ***MARKHAM WINERY TASTING AND DINNER***

Tuesday, 16 February      5:30 pm (Buses Depart Embassy Suites Hotel for Markham Winery)

6:00 – 7:00 pm (Wine Tasting)

7:00 – 9:00 pm (Buffet Dinner)

Location                      Markham Winery



Markham Vineyards is one of the oldest continuously operated wineries in the Napa Valley and is located approximately 25-30 minutes from the Embassy Suites Hotel. Upon arrival at the Markham Winery, guests are free to roam the Tasting Room, Art Gallery, and Patio while being served Sauvignon Blanc and Cabernet from the bar. Guests will then be invited into the Barrel Room for a buffet dinner paired with Chardonnay &



*Preliminary as of December 15, 2015*

*Subject to Change*

Merlot. Non-alcoholic beverages (sodas, water) will also be available. Please be sure to bring a valid photo ID in order to be served!

All conference registrations will receive an event ticket, which includes bus transportation to and from the Markham Winery from the Embassy Suites Hotel. Conference attendees are encouraged to utilize the provided bus transportation; please keep in mind if choosing to seek alternate transportation arrangements that the winery will not be open for our group until 6pm. Buses will depart the Embassy Suites Hotel at 530 pm, and at least one bus will depart the Markham Winery to begin returning to the Embassy Suites hotel between 8 and 830 pm. All remaining buses will depart the Markham Winery at 9 pm.

Guest tickets are available for \$100 each on the conference registration site.

Conference attendees should indicate any dietary restrictions on their completed registrations prior to February 1, 2016 so that the caterer can be informed.

## CONFERENCE LOCATION

### EMBASSY SUITES NAPA VALLEY

1075 California Boulevard

Napa, CA, 94559

[www.embassysuitesnapahotel.com](http://www.embassysuitesnapahotel.com)

(707) 253-9540 (voice)

(707) 253-9202 (fax)



The Mediterranean luxury of the Embassy Suites Napa Valley welcomes you to experience the magic of our celebrated destination. We are minutes away from world famous wineries and renowned restaurants, and just a short walk to our vibrant down town Napa.

Awake to our complimentary, full cooked-to-order breakfast. Enjoy your morning coffee or end your day with a toast from our evening Manager's Reception – overlooking our Millpond and resident swans.

A room block with the Government Per Diem Rate (\$149/night) will be held through **January 22, 2016**. Reservations requested after this date will be accepted based upon availability and subject to the hotel's prevailing rate. We encourage all conference attendees to make your hotel reservation early!

Attendees may register at the personal group web page listed below or they may call the reservations department at 1-800-EMBASSY. Please be sure to mention the group code AAS or the group name "American Astronautical Society" when making reservations in order to receive the group rate of \$149 (or prevailing government per diem). Group arrival is 2/14/2016 and Group Departure is 2/18/2016. A limited number of rooms are available at the group rate 3 days pre/post group arrival and departure.

For any pre or post group dates questions, please contact Marianne Hollman at 707-320-9511 or Marianne.Hollman@hilton.com.

Group Reservation Page:

[http://embassysuites.hilton.com/en/es/groups/personalized/N/NAPVLES-AAS-20160214/index.jhtml?WT.mc\\_id=POG](http://embassysuites.hilton.com/en/es/groups/personalized/N/NAPVLES-AAS-20160214/index.jhtml?WT.mc_id=POG)

Cancellations must be made 72 hours in advance of intended arrival.

Complimentary internet access in guest rooms and meeting space is available to all conference attendees.

## ***ARRIVAL INFORMATION***

### ***Check-In and Checkout***

- Check-in: 4:00 PM
- Check-out: 12:00 PM

### ***Parking***

Self-parking is complimentary.

## ***HOTEL SERVICES AND AMENITIES***

- 24-hour Front Desk
- Concierge Service (located at the front desk)
- Complimentary Cooked-to-Order Breakfast served daily for all registered hotel guests
- Complimentary Evening Beverage reception daily from 5:30pm-7:30pm
- Room Service
- Business Center with complimentary printing and faxing
- Complimentary newspapers in Lobby & Atrium
- Wireless high-speed Internet access in all guest suites and public areas
- Fitness Room by Precor
- Spa Services - In-room massage and spa services available upon request



- Heated indoor swimming pool
- Whirlpool, sauna and sun deck
- Guest Laundry facilities on-site
- Luggage Storage
- On-site ATM (Automated Teller Machine)
- Wine storage upon request

## ***TRANSPORTATION INFO***

Napa Valley is served by five airports. San Francisco International Airport (SFO), Oakland International Airport (OAK) and Sacramento International Airport (SMF) are each approximately 60 miles away (85 km) and can be reached in approximately 1.5 hours driving time. Santa Rosa Airport (STS) is about 35 miles away. Napa County operates a private, general aviation airport for which charter flights are available but no scheduled commercial flights. All airports host a variety of rental car agencies.

San Francisco and Oakland both have shuttle buses that run a fixed route schedule from the airport to the City of Napa. The bus will be branded with the name Evans or California Wine Tours. To access a schedule, contact Evans Transportation, 707-255-1559, or California Wine Tours, 800-294-6386. If you would like direct service to your hotel, Evans can arrange for that from their Napa terminal. It's best, however, to give them notice in advance of your trip. In most cases there will be an extra fee for this service.

There are several limousine companies [listed here](#) that can pick you up at the airport as well as take you on wine tours so you can relax and enjoy the experience of tasting some of America's legendary wines. Contact them about setting up a package that would include all of your driving needs for your trip.

## **DIRECTIONS FROM AIRPORTS**

### FROM SAN FRANCISCO across the Golden Gate Bridge

Highway 101 North to Highway 37 East. At the Infineon Raceway junction turn left onto Highway 121 North. Continue on 121 North to Highway 29 North. Turn left onto Highway 29 North. Exit at First Street. Turn right at the stop sign. Turn left at first stop light onto California Blvd. The hotel is on the left at 1075 California Blvd.

### FROM SAN FRANCISCO / OAKLAND across the San Francisco/Oakland Bay Bridge

Highway 80 East to Highway 37 West, passing Six Flags Theme Park. Highway 37 to Highway 29 North and exit at First Street. Turn right at the stop sign. Turn left at the first stop light onto California Blvd. The hotel is on the left at 1075 California Blvd.

### FROM SACRAMENTO / LAKE TAHOE

Highway 80 West to Highway 12 West. Turn right at second light onto Highway 29 North. Stay left at fork in the highway toward Calistoga and exit at First Street. Turn right at the stop sign. Turn left at the first stop light onto California Blvd. The hotel is on the left at 1075 California Blvd.

## **NAPA GROUND TRANSPORTATION**

Public bus transportation is available within the City of Napa and between the main towns in the Napa Valley. The VINE is the fixed-route bus system in the County of Napa. All buses are wheelchair accessible. The VINE local buses in the City of Napa can take you to downtown Napa, recreation areas such as the Napa County Fairgrounds, shopping areas such as Bel Aire Plaza, Napa Premium Outlets, and South Napa Marketplace. Regional Routes 11 and 29 can take you to the Ferry. The Route 29 also goes to the El Cerrito Del Norte BART station. The Regional Route 25 connects Napa with the City of Sonoma in Sonoma County and Route 21 can take you to the Suisun City Train Depot.

Please visit <http://www.ridethevine.com/> or call 707-251-2800 for schedules and maps.

## **AREA ATTRACTIONS**

The Embassy Suites Napa Valley hotel is at the heart of the local area's attractions. Nearby, you'll be able to explore the quaint village charm of nearby historic downtown Napa, stroll along the Napa River Walk or shop at the premium outlet/specialty stores. Sample wines at over 250 wineries in Napa Valley. Taste from among thousands of boutique, hard-to-find wines at the ten tasting rooms and wine bars in downtown Napa. Take a hot air balloon ride for spectacular views of the valley. Play golf among the vineyards, go horseback riding in the rolling hills or schedule a wine tasting tour package with one of the local limousine companies.

### **Get on your bike and ride (0.0 mi. from hotel)**

Napa Downtown is the perfect place to take a leisurely spin on a bike. Maps of various routes throughout Napa Valley are available for more challenging rides. [http://www.visitnapavalley.com/napa\\_valley\\_bike\\_map.htm](http://www.visitnapavalley.com/napa_valley_bike_map.htm)

### **Enjoy some Live Music (1.0 mi. from hotel)**

The Uptown Theatre Napa is downtown's ultimate destination for live entertainment, and within walking distance from the conference hotel. Nestled in the famed West End district, this stunningly restored art deco masterpiece from 1937 showcases only the finest acts in music and comedy. A historic landmark, the Uptown offers a phenomenal, intimate live show experience with world class sound and site lines. Distance from the last row to the stage is only 98 feet making every seat truly a great seat! See the Uptown Theatre Napa for more information: <http://www.uptowntheatrenapa.com/>

### **Take a walk to historic downtown Napa (1.5 mi. from hotel)**

Do Something Delicious in Napa, California! Downtown Napa is the ultimate culinary destination with more than 70 restaurants all within walking distance. Let your inner foodie out to play and treat yourself to something delicious. Visit [DoNapa.com](http://Donapa.com) for a full listing of restaurants, wine tasting rooms, bars and things to do in Napa. With a dozen wine tasting rooms within walking distance of each other, Downtown Napa is also a wine-lover's paradise.

### **Visit Oxbow Public Market (2.5 mi from hotel)**

[Oxbow Public Market](#), located in the Oxbow District of Napa, has become the local gathering place for great food and wine in downtown Napa and throughout the Napa Valley. The 40,000 square foot marketplace, which includes a scenic outdoor deck with seating along the Napa River, features a diverse tenant mixture of local food vendors, artisan cafes and an organic produce outlet for local farms. Oxbow Public Market and its artisans and purveyors passionately support the concept of sustainable agriculture and local harvest promoting a healthy environment, and social and economic equity within our community. Merchants start opening at 7:30 am and many stay open until 9:30 pm. All tenants are expected to be open at least between 9 am and 7 pm. The restaurants are open later. It is recommended you check hours with individual merchants.

### **Take a ride on the Napa Valley Wine Train (2.5 mi from hotel)**

[The Napa Valley Wine Train](#) is one of the most distinctive Napa restaurants, offering an authentic, memorable experience that echoes the glory days of train travel, with fine dining service, multiple course meals, Napa Valley scenery and ultimate relaxation aboard exquisitely restored vintage rail cars. This top dining establishment is housed in a museum quality, antique train that runs on 25 miles of track in the heart of the Napa Valley. The train itself has two engines, three kitchens on board and a collection of early 20th century Pullman rail cars faithfully restored with Honduran mahogany paneling, brass accents, etched glass partitions and plush armchairs that evoke the spirit of luxury rail travel in the early 1900s. Prices start at \$124, reservations required.

### **Visit a nearby winery (4-6 mi. from hotel)**

Accessible with only a short drive from the conference hotel, you can visit world-class wineries and enjoy panoramic views of Napa and the San Francisco Bay.

- Artesa <http://www.artesawinery.com/>

Known for some of the best views in the entire valley, this highly-recommended local favorite is only 6 miles from the conference hotel. Tours 11:00AM-2:00 pm daily, Tastings 10:00 AM-5:00 pm daily. Last pour 4:30 pm. Tour groups are limited to 8 people.

- Hendry Ranch <http://www.hendrywines.com/>

World-class wine tasting and known for detailed, highly-educational tours. Only 4 miles from the conference hotel. Tastings at 11:00 am (\$30), with morning and afternoon tours (\$50-\$75). All tours and tastings require reservations: Tasting and tour groups are limited to 8 people.

### **Explore the di Rosa Art Preserve (5.0 mi. from hotel)**

Considered the most significant holding of Bay Area art in the world, [di Rosa](#) houses approximately 2,000 works of art by 800 artists. The collection includes significant works by Mark di Suvero, Robert Arneson, Roy De Forest, Enrique Chagoya, Manuel Neri, Joan Brown, William T. Wiley, Robert Hudson, Richard Shaw, Bruce Nauman, Deborah Butterfield, John Buck, David Best, Larry Sultan, Raymond Saunders, Bruce Conner, Allan Rath, Nathan Oliveira, Mildred Howard, Paul Kos, Squeak Carnwath, Viola Frey, Stephen de Staebler, and many others. Open Wednesday-Sunday, 10:00 am- 4:00 pm. The Gatehouse Gallery has a suggested donation of \$5, and tours are \$12-\$15.

### **Check out a wine cave (7 mi. from hotel)**

[The Jarvis Estate](#) winemaking facility is entirely contained within 45,000 square feet of cave tunneled into the scenic Vaca Mountains, four miles east of downtown Napa. It is not only a visual masterpiece, but a technical masterpiece as well. Due to the invariant temperature and high humidity level of caves, wineries have typically used caves for the barrel aging of wines. Jarvis Estate was the first in this country to tunnel a cave so large that it could hold the entire winemaking operation. With the help of chief geotechnic consultant Gregg Korbin and the largest computer at University of California Berkeley, William Jarvis was able to successfully plan and design the large chambers of our underground winery. As the cave extends further into the mountain, the chambers become larger. Pushing the state of the art, the last chamber could comfortably contain two full basketball courts.

Cost: \$80/person, reservations required. Please wear appropriate footwear for walking throughout the cave.

### **Get in 18 holes or more (7 mi. from hotel)**

There are many golf courses in Napa Valley. Nearby you will find the [Chardonnay Golf Club](#) as well as the [Eagle Vines Golf Club](#).

### **Take the to the skies on a hot air balloon (8 mi. from hotel)**

See the valley up high from a hot air balloon. Enjoy a calm and peaceful float there across the valley with a bird's eye view. Popular local choices include [Balloons above the Valley](#) and [Napa Valley Balloons](#). ~\$215 per person. Reservations required.

### **Visit the Napa Valley Museum (9 mi. from hotel)**

Just across the St. Helena Highway from the culinary mecca of Yountville, you'll find this gem of a museum on the grounds of the California Veteran's Home. [Napa Valley Museum](#) offers a welcome break from whirlwind wine-tasting, and visiting its permanent collection of art and artifacts is an experience that truly brings the Valley into focus. From the 1950s Napa City Limits sign (Population, then: 13, 155. Now: 77, 000+.), to paintings and photos of the pioneers of wine, the museum's collection chronicles the history of the region, its

people and geology, along with the wine industry that put Napa Valley on the map. Open Sunday-Tuesday, 10:00 am – 4:00 pm. Cost: \$10/person.

**Taste wine at a Castle (40 mi. from hotel)**

Castello di Amorosa is a castle and a winery located near Calistoga, CA. First opening its doors to the public in April 2007, the castle is the pet project of 4th generation vintner, Dario Sattui, who also owns and operates the V. Sattui Winery named after his great-grandfather who originally established a winery in San Francisco in 1885 after emigrating from Italy to California. The castle interiors, which include 107 rooms on 8 levels above and below ground, cover approximately 121,000 square feet. Key details and building techniques are architecturally faithful to the 12th and 13th century time period. Among many other features it has: a moat; a drawbridge; defensive towers; an interior courtyard; a torture chamber; a chapel/church; a knights' chamber; and a 72 by 30 feet (9.1 m) great hall with a 22-foot (6.7 m)-high coffered ceiling. The torture chamber has an authentic 300-year-old iron maiden which Sattui states he bought for \$13,000 in Pienza, Italy, a replica rack, prison chambers and other torture devices. The masonry, ironwork and woodwork was fashioned by hand using old world crafting techniques. Building materials included 8,000 tons of locally quarried stone, in addition to paving stones, terra cotta roofing tiles and some 850,000 bricks imported from Europe. Open daily, 9:30 am-5:00 pm. Tours begin at \$40.00, reservations are highly recommended. 707-967-6272



**Did we mention wine tasting?**

The world-renowned Napa Valley is home to over 250 wineries that offer public tastings. A great place to begin your search for a winery that suits your tastes can be found on <http://www.napavalley.com/drink/>.

**ADDITIONAL INFORMATION**

***SPEAKER ORIENTATION***

Authors should have submitted a brief (approximately 50 words or 3 sentences) speaker's bio with their abstract submission. Author presentations (preferably in PDF format) will be submitted through a web-based system and are due by **Thursday February 11th, 2016, 23:59:59 Eastern Time**. Authors are required to be in their session room 30 minutes prior to the start of their sessions. No speakers' breakfast will be served.

Authors are reminded that the deadline to upload pre-prints to the <https://www.xcdsystem.com/aas/> website is before **February 3, 2016, 23:59:59 Eastern Time**.

## ***VOLUNTEERS***

Volunteers that would like to staff the registration table may sign up at the registration table.

## ***PRESENTATIONS***

Each presentation is limited to 15 minutes. An additional five minutes is allotted between presentations for audience participation and transition. Session chairs shall maintain the posted schedule to allow attendees the option of joining a parallel session. Each room is equipped with a laser pointer, an electrical outlet, and a video projector that can be driven by a computer. Presenters shall coordinate with their Session Chairs regarding the computing equipment, software, and media requirements for the session; however, *each presenter is ultimately responsible for having the necessary computer and software available to drive the presentation*. Microsoft PowerPoint and PDF are the most common formats.

**"No-Paper, No-Podium" Policy** Completed manuscripts shall be electronically uploaded to the submission site before the conference, limited to 20 pages in length, and conform to the AAS conference paper format. If the completed manuscript is not contributed on time, it will not be presented at the conference. If there is no conference presentation by an author, the contributed manuscript shall be withdrawn.

Each author is also acknowledges that he or she is releasing technical information to the general public and that respective papers and presentations have been cleared for public release. If any author of a paper is a US person (citizen or permanent resident), he or she acknowledges that the release of these data and content of the paper and presentation conforms to ITAR and are not on the USML. The information contained in these documents is neither classified, SBU, FOUO, nor proprietary to any sponsoring organization.

## ***PREPRINTED MANUSCRIPTS***

Physical copies of preprinted manuscripts are no longer available or required for the Space Flight Mechanics Meetings or the Astrodynamics Specialist Conferences. Electronic preprints are available for download at least 72 hours before the conference at <https://www.xcdsystem.com/aas/> for registrants who use the online registration system. The hotel provides conference guests with complimentary wireless internet access in guest rooms and the conference meeting space. Registrants without an internet-capable portable computer, or those desiring traditional paper copies should download and print preprint manuscripts before arriving at the conference.

## ***CONFERENCE PROCEEDINGS***

All full registrants will receive a CD of the proceedings mailed to them after the conference (extra copies are available for \$60 during the conference). However, the hardbound volume of *Advances in the Astronautical Sciences* covering this conference will be available to attendees at a reduced pre-publication cost, if ordered at the registration desk. After the conference, the hardbound proceedings will more than double in price, although authors will still receive a special 50% discount off the post-conference rate even if they delay their order until after the conference. Cost of Proceedings:

- Conference Rate    \$290 domestic (\$380 international)
- Post-Conference Rate    \$600 (approx.)
- Authors (post-conference)    \$300 (approx.)

Although the availability of hardcopy proceedings enhances the longevity of your work and elevates the importance of your conference contribution, please note that conference proceedings are not considered an



archival publication. Authors are encouraged to submit their manuscripts after the meeting to one of the relevant journals, such as:

Journal of the Astronautical Sciences  
Editor-in-Chief: Kathleen C. Howell  
School of Aeronautics and Astronautics  
3233 Armstrong Hall  
Purdue University  
West Lafayette, IN 47907  
(765) 494-5786  
[howell@purdue.edu](mailto:howell@purdue.edu)

Journal of Guidance, Control and Dynamics  
Editor-in-Chief: Dr. Ping Lu, Iowa State University  
Manuscripts can be submitted via: <https://mc.manuscriptcentral.com/aiaa>

Journal of Spacecraft and Rockets  
Editor-in-Chief: Dr. Robert D. Braun, Georgia Institute of Technology  
Manuscripts can be submitted via: <https://mc.manuscriptcentral.com/aiaa>

### ***SATISFACTION SURVEY***

Registrants are highly encouraged to record their level of satisfaction and conference preferences in an anonymous survey taken throughout the time of the conference. Please return the survey form given to you when you check in at the registration table to the registration table before departing from the conference.

### ***COMMITTEE MEETINGS***

Committee seating is limited to committee members and invited guests. Committee and subcommittee meetings will be held according to the schedule at the beginning of the program.