



# 94th AsMA Annual Scientific Meeting: "Honoring the Past...Preparing for the Future"

Hyatt Regency Hotel, Chicago, IL, USA

May 5 – 9, 2024

## Call for Abstracts

**Deadline: November 1, 2023**  
***No Exceptions!***

The Aerospace Medical Association's 2024 Annual Scientific Meeting will be held in Chicago, IL, USA. The year's theme is "Honoring the Past ... Preparing for the Future." Since announcement of the Artemis program, efforts are underway to return humans to the Moon after more than 50 years. Throughout the Apollo, Skylab, ISS, and now Commercial Crew program, substantial advances in technology have arisen, and a greater understanding of human physiology and performance have progressed through longer duration spaceflight. Lunar missions will entail combined governmental, commercial, and International Partner collaboration. Extravehicular activity, environmental, and habitation challenges will be substantial. General, civil, and military aviation have also seen significant advances over past decades. Human factors, safety, mental health, and environmental aspects merit continued vigilance. Expansion of unpowered aerial vehicles and eventual transorbital flight provide unique challenges. Advanced telescopes are re-writing the Astronomy textbooks with the search for planetary locales potentially harboring the building blocks of life. Developing the next generation of scientists, engineers, researchers, and clinicians for the exciting years ahead requires our collective energies.

The Annual Scientific Meeting is the premier international forum to learn and discuss evolving trends and multidisciplinary best practices in research, clinical applications, human performance, and flight safety. The 94th Annual Scientific Meeting welcomes abstracts in the many areas related to Aerospace Medicine. For a complete list see the box on p. 2 of this form.

### ASMA ABSTRACT SUBMISSION PROCESS

**LIMIT: 350 words/2500 characters including spaces; NO Tables or Figures or References should be included in the abstract. All abstracts must be submitted via the electronic submission system linked on the association's web site: <https://www.asma.org>.**

**ATTENTION:** You **MUST** use personal email addresses when entering your abstracts and those of your co-authors.

### ABSTRACT TYPES AND CATEGORIES

The Annual Scientific Meeting highlights several types of presentation formats. Posters are on display for two full conference days, each in its assigned space. Authors will be asked to present their poster for a single designated 120-min period on one of these days. PowerPoint presentations will be organized by topic area and presented during 90-minute blocks of time, 6 periods of 15 minutes each. **Individual PowerPoint presentations are limited to 15 minutes**, including 3 to 5 minutes for questions and discussion. Panels also have 90 minutes: ideally 5 presentations of 15 minutes each, followed by a 15-minute discussion period.

There are four **TYPES** of submissions:

**1. Poster:** Standalone Digital Poster presentation that will be integrated into a session, grouped by topic. The presentation must be submitted as a PowerPoint with up to 10 slides. Video and audio clips can be embedded. They will be displayed digitally.

**2. PowerPoint:** Standalone 15-minute slide presentation with questions/discussion that will be integrated into a session, grouped by topic.

**3. Individual Invited Panel:** Invited Presentation that will link to support a Panel Overview containing five (non-case study) or six (case study) abstracts presented as a cohesive whole.

**4. Individual Invited Workshop:** Invited Presentation that will link to and support a Workshop Overview.

### CATEGORIES

There are two categories based on the topic to be presented. Templates and examples (examples available on the submission site) are provided for each type and will be available at the abstract submission website. Authors will be required to enter abstract text under the headings as described below.

**1. Original Research:** Material that is original in nature and has not been previously presented. Original analysis of a hypothesis involving data collection and analysis. Headings include Introduction, Methods, Results and Discussion.

**2. Education:** Typically, a discussion of information that is already available.

**a. Program / Process Review:** Description of a program or process that is used to solve a problem or accomplish a task. Headings include Background, Description, and Discussion.

**b. Tutorial / Review:** An educational session intended as a review of established material. Headings include Introduction, Topic, and Application.

**c. Case Study:** A single clinical or human performance event. Headings include Introduction, Case Description, and Discussion.

### PANEL GUIDANCE

**Panels** must be composed of a coordinated sequence of 4-5 abstracts that flow logically from one to another supporting the central theme. Panels must contain abstracts that allow 15 minutes of structured discussion at the end of the session.

**Case Study Panels:** Case Study Panels can have 6 abstracts, and are intended to highlight a particular institution, community or aeromedical issue, usually presented from the same institution or aeromedical community.

**It is the responsibility of the Panel Chairs to ensure that the abstract authors describe in each abstract how it relates to the Panel theme.** If the Panel theme is not clearly identified and/or the abstracts do not support a central theme, the Scientific Programming Committee may unbundle individual abstracts and evaluate them as separate slide or poster abstracts. Unrelated abstracts from a laboratory or organization do not constitute a Panel (unless they are Case Studies). Panel Chairs are also responsible for preparing questions and discussion points to facilitate a moderated discussion with the audience during the sixth period. Each Panel speaker should cite or link directly to the Panel theme, and at the end of their talk should provide a logical segue to the next abstract.

### WORKSHOPS

Rules for workshops and the review process are similar to those for Panels (above). Overview abstracts should reflect the material to be presented in this long format for up to 8 hours of CME credit. Individual abstracts must be entered for each invited presenter and all necessary information must be entered in the same

manner as all other abstracts, including conflict of interest statements. Course materials should be made available for registrants. A separate fee is charged for Workshops registration. For additional information contact Jeff Sventek, Executive Director, at [jsventek@asma.org](mailto:jsventek@asma.org).

### AsMA ABSTRACT SUBMISSION PROCESS

All abstracts must be submitted via the electronic submission system linked to the association's web site: <https://www.asma.org>. Click on the link to the abstract submission site--available on the AsMA home page and Meetings page on or about September 1, 2023. Authors with questions regarding the abstract submission process should contact AsMA directly at (703) 739-2240, x 101 (Ms. Rachel Trigg); or e-mail [rtrigg@asma.org](mailto:rtrigg@asma.org).

The following information is required during the submission process: Abstract title, presenting author information (including complete mailing and e-mail addresses and telephone numbers), topic area (from list provided on back of form), contributing authors and their e-mails and institutions, abstract (**LIMIT: 350 words/2500 characters including spaces**), at least 2 Learning Objectives (the Accreditation Council for Continuing Medical Education-ACCME requires brief statements on the speaker's learning objectives for the audience). In addition, three (3) multiple choice questions and answers will be required for each Slide and Panel presentation for Enduring Materials for CME credit. Read instructions online for further details. Poster presenters are required to upload their poster as a PowerPoint in advance of the meeting.

**PLEASE NOTE:** Presenters (including panelists) are required to register for the meeting. There is a discounted fee for non-member presenters. *Registration limited to the day of presentation will be available onsite.*

### Financial Disclosure/Conflict of Interest/Ethics

Abstracts will not be accepted without a financial disclosure/conflict of interest form. The form is included in the website submission process. The presenting author must agree to comply. Scientific presentations at AsMA-sponsored events will adhere to the highest standards of scientific ethics, including appropriate acknowledgment or reference to scientific and/or financial sources. *Presenters must avoid the endorsement of commercial products in their abstracts and during their presentations. There must be no advertisements on Posters, AV, or handout materials.*

### Presentation Retention Policy

AsMA will use live capture to make presentations from the Meeting available to members / attendees after the meeting. Authors are required to provide permission for live capture and a nonexclusive license to repurpose the content. An electronic copy of the presentation suitable for release at the time of the presentation must be provided. Electronic copies of Poster presentations must be uploaded to a submission site when directed.

### Permissions and Clearances

It is the author's responsibility to obtain all necessary permissions and clearances prior to submission of the abstract. AsMA assumes no liability or responsibility for the publication of any submitted material.

### Acceptance Process

Abstracts will be reviewed by a minimum of three members of the AsMA Scientific Program Committee. Acceptance will be based on the abstract's originality, relevance, scientific quality, and adherence to the guidelines provided. Criteria for non-acceptance include, but are not limited to: insufficient, inconsistent, or ambiguous data; commercialism; or reviews of previously published literature. **Abstracts must be 100% complete upon submission, including all final data and results.** How well authors abide by submission and format guidelines will also be one of the criteria used to determine acceptance of abstracts.

Presenters are limited to **one** senior-authored presentation, unless given specific prior permission by the Scientific Program Committee Chair, Dr. Eilis Boudreau, at: [sciprogram@asma.org](mailto:sciprogram@asma.org). Following review by the Scientific Program Committee in November, all contributors will receive a notification of acceptance or non-acceptance by e-mail. Accepted abstracts will be published in *Aerospace Medicine and Human Performance*.

While the Scientific Program Committee strives to honor the presenter's desired presentation format, for reasons such as space limitations or dissimilar content, an abstract may be changed to an alternative presentation format. Assignment of an abstract to either a poster or a slide presentation will be recommended by the Scientific Program Committee, but the final decision will be made by the Program Chair.

### Abstract Withdrawal

Withdrawing abstracts is strongly discouraged. However, if necessary, a request to withdraw an abstract should be sent to Dr. Eilis Boudreau, the Scientific Program Chair, at [sciprogram@asma.org](mailto:sciprogram@asma.org); and Rachel Trigg at [rtrigg@asma.org](mailto:rtrigg@asma.org). The request for withdrawal must include the abstract title, authors, ID number, and reason for withdrawal. Due to publishing deadlines, withdrawal notification should be received by January 15, 2023. As abstracts are published in *Aerospace Medicine and Human Performance* prior to the scientific meeting, a list of abstracts withdrawn or not presented will be printed in the journal following the annual meeting.

### MENTORSHIP

#### Optional review / feedback for student and resident presenters at AsMA 2024

AsMA is continuing its mentorship initiative for student and resident authors for the 2024 Scientific Meeting. You have the option to submit a draft of your abstract to a group of senior AsMA members for review and feedback. If you have questions about this opportunity, please e-mail [sciprogram@asma.org](mailto:sciprogram@asma.org). E-mail your abstract to [sciprogram@asma.org](mailto:sciprogram@asma.org) no later than 1 October 2023. The Program Mentor Group will review provide feedback via e-mail by 20 October 2023. The abstract will still need to be finalized in the submission system.

**TOPIC AREAS:** (These will be listed on a drop-down menu on the submission site. They are used to organize the abstracts into sessions.)

#### 1: Human Performance

- 1.1 Personnel Selection
- 1.2 Training
- 1.3 Hypobaric & Hyperbaric Physiology
- 1.4 Thermal Physiology
- 1.5 Acceleration / Vibration/ Impact
- 1.6 Fatigue
- 1.7 Neurophysiology & Sensory (inc. Vision, Auditory, Vestibular, Spatial Disorientation)
- 1.8 Aerospace Human Factors & Psychology
- 1.9 Aerospace Human Systems Integration

#### 2: Clinical Medicine

- 2.1 Aviation Medicine
- 2.2 Health Promotion and Wellness Programs

- 2.3 Medical Standards / Aircrew Health
- 2.4 Occupational / Environmental Medicine
- 2.5 Operational Medicine
- 2.6 Hyperbaric Medicine

#### 3: Travel and Transport Medicine

- 3.1 Travel Medicine
- 3.2 Aeromedical Transport / Air Evacuation
- 3.3 Air Transport Medicine
- 3.4 Commercial
- 3.5 Pandemic Preparedness

#### 4: Space Medicine

- 4.1 Space Medicine
- 4.2 Space Operations

#### 5: Safety and Survivability

- 5.1. Escape / Survival
- 5.2. Flight Safety/Accident Investigation

#### 6: Other

- 6.1 History of Aerospace Medicine
- 6.2 Ethics

Follow the link to the abstract submission site on our home page: <https://www.asma.org>  
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