

# 89th AsMA Annual Scientific Meeting: “Synergy: The Power of Multidisciplinary Problem Solving”

Hilton Anatole Hotel, Dallas, TX, USA  
May 6 - 10, 2018



## Call for Abstracts

**Deadline: November 1, 2017**  
**No Exceptions!**

The Aerospace Medical Association's 2018 Annual Scientific Meeting will be held in Dallas, TX, USA. This year's theme is **“Synergy: The Power of Multidisciplinary Problem Solving.”**

The 89th Annual Scientific Meeting welcomes abstracts in the many areas related to Aerospace Medicine including Clinical and Operational Aerospace Medicine; Human Performance; Travel and Transport Medicine; Safety and Survivability; Space Medicine; and Other Topics. For a complete list see the box on p. 2 of this form.

In “Synergy: The Power of Multidisciplinary Problem Solving,” our objective is to highlight the diverse nature of aerospace medicine and human performance. Issues associated with living and working in the aerospace environment are unique, and solutions rarely come from a single discipline. Only when we harness the collective power of thought and innovation from medicine, engineering, physiology, psychology, and social sciences do we obtain robust, sustainable solutions that protect and enhance human performance. As such, we encourage contributions from individuals and groups new to aerospace medicine who may realize that issues and their solutions addressed in support of space or military operations can be successfully leveraged for civilian and commercial applications. We invite everyone engaged in innovative and multidisciplinary research to consider the advantages of bringing the results of their work to a scientific meeting where they have the chance to interact with hundreds of aerospace specialists with a fresh perspective.

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.

### 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>.  
**(LIMIT: 350 words/2500 characters including spaces)**

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

### Abstract Templates, Examples, and Panel Guidance

The Scientific Program Committee has developed the following guidelines for abstracts and panels. Abstracts will fall under two categories: (1) Original Research and (2) Education. The Education category is further subdivided into (a) Program / Process Review, (b) Education / Tutorial, and (c) Case Study: Clinical or Human Performance.

Templates and examples (previously published in the AsMA journal) are provided for each type and will be available at the abstract submission website. These detail section headings, e.g., Introduction, Methods, etc., and the specific type of information that should be included under each heading. How well authors abide by these guidelines will be one of the criteria used to determine acceptance of abstracts.

In the submission website, authors will have a single field to enter their abstract. Authors will be asked to include the sections

headings listed for each abstract type.

#### I. Four types of submissions

- a. Slide (includes 3 MOC questions)
- b. Poster (includes 3 MOC questions)
- c. Panel (includes 3 MOC questions; linked to panel overview)
- d. Workshop (includes 3 MOC questions per hour)

#### II. Two categories

- A. Original Research
- B. Education
  1. Program / Process Review
  2. Education / Tutorial
  3. Case Study: Clinical or Human Performance

### Panel Guidance

Panels must contain well-coordinated abstracts and allow time for structured discussion. To address this, the following guidelines have been instituted:

1. Panels must be structured using the Original Research or Education categories provided for individual abstracts.

2. Panels must be composed of a coordinated sequence of abstracts (at least 4 but no more than 5) that follow a theme and flow logically from one to another supporting the central theme. See the template below.

a. It is the responsibility of the Panel Chairs to ensure that the abstract authors include in the opening section (e.g., INTRODUCTION) or closing sections (e.g., DISCUSSION) how the abstract relates to the Panel theme.

b. Unrelated abstracts from a laboratory or organization do not constitute a Panel. [If the Panel theme is not clearly identified and/or the abstracts do not support a central theme, the individual abstracts may be unbundled and evaluated as separate slide or poster abstracts.]

3. Panels will be structured to include time for a focused moderated discussion by the Chairs. Panel Chairs will be asked to prepare questions prior to the Scientific Meeting to facilitate a discussion with the audience. Individual presentations within Panels should be timed to allow for at least a 15 minute moderated discussion.

4. During the Meeting, each Panel speaker should cite or link directly to the panel theme in their introduction and discussion and at the end of their talk should provide segues to the next abstract in the panel.

### Sunday 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. Three MOC questions per hour of presentation will be required. Individual abstracts must be entered for each 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).

## SUBMITTING YOUR ABSTRACT

Click on the link to the abstract submission site--available on the AsMA home page and Meetings page on or about August 1, 2017. Authors with questions regarding the abstract submission process should contact AsMA directly at (703) 739-2240, x101 (Ms. Pam Day); or e-mail pday@asma.org.

**Please note:** The following information is required during the submission process: Abstract title, presenting author information (including complete mailing and e-mail addresses), 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**) and learning objectives (the Accreditation Council for Continuing Medical Education-ACCME requires a brief sentence on the speaker's learning objectives for the audience). In addition, three (3) multiple choice questions and answers will be required for each presentation for Maintenance of Certification (MOC). Read instructions online for further details.

## 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. Details will be provided in the abstract submission process.

## 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.

## PRESENTATIONS

**Slide and Panel** presentations will be organized by topic area and presented during 90-minute blocks of time. Individual slide (PowerPoint) presentations are limited to 15 min (including 5 min for Q&A).

**Posters:** The visibility and impact of Poster sessions will be elevated for 2018. We are asking poster presenters to have their posters on display for two full conference days, each in its assigned space (4 x 8 ft boards). Authors will be asked to present their poster for a single designated 120-min period on one of these days. We will also be collecting the pdf files of posters in advance of the meeting.

Please note: 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.

## 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 rejection include, but are not limited to, insufficient, inconsistent, or ambiguous data (NOTE: It is insufficient to state, "Results will be discussed"); commercialism; or reviews of previously published literature. Presenters are limited to one senior-authored presentation without prior permission of the Scientific Program Committee Chair, Barry S. Shender, Ph.D., at: sciprog@asma.org. Following review by the Scientific Program Committee in November, all contributors will receive a notification of acceptance or rejection by e-mail. Accepted abstracts will be published in *Aerospace Medicine and Human Performance*.

## Abstract Withdrawal

Withdrawing abstracts is strongly discouraged. However, if necessary, a request to withdraw an abstract should be sent to: Barry S. Shender, Ph.D., the Scientific Program Chair, at sciprog@asma.org; and Pam Day at pday@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, 2017. 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.

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

<b>TOPIC AREAS:</b> (These will be listed on a drop-down menu on the submission site. They are used to organize the abstracts into sessions.)	2.2 Health Promotion and Wellness Programs
<b>1: Human Performance</b>	2.3 Medical Standards / Aircrew Health
1.1 Aerospace Physiology	2.4 Occupational / Environmental Medicine
1.2 Exercise Physiology	2.5 Operational Medicine
1.3 Hyperbaric Physiology	2.6 Hyperbaric Medicine
1.4 Environmental Physiology (incl. High Altitude & Extreme Temperature)	<b>3: Travel and Transport Medicine</b>
1.5 Acceleration / Vibration/ Impact	3.1 Travel Medicine
1.6 Fatigue	3.2 Aeromedical Transport / Air Evacuation
1.7 Neurophysiology & Sensory (inc. Vision & Vestibular)	3.3 Air Transport Medicine
1.8 Aerospace Human Factors	3.4 Commercial
1.9 Aerospace Human Systems Integration	<b>4: Space Medicine</b>
1.10 Aerospace Psychology	4.1 Space Medicine (Aerospace Medicine)
<b>2: Clinical Medicine</b>	4.2 Space Operations
2.1 Aviation Medicine (Aerospace Medicine)	<b>5: Safety and Survivability</b>
	5.1. Escape / Survival
	5.2. Flight Safety/Accident Investigation
	<b>6: Other</b>
	6.1 History of Aerospace Medicine
	6.2 Other Related Topics

Follow the link to the abstract submission site on our home page: <https://www.asma.org>  
**Site opens August 1 and closes November 1, 2017 (NO EXCEPTIONS!!!!!!!)**