



“Fellows shall be persons of distinction in aeronautics or astronautics, and shall have made notable and valuable contributions to the arts, sciences or technology thereof.”

AIAA Bylaws – Section 2.4, Fellows

“Fellows may be nominated from the ranks of the Associate Fellows by any member in good standing and shall be elected by the Board. Self-nominations are not permitted. One Fellow for every one hundred twenty-five (125) Associate Fellows may be elected annually. The most qualified nominees shall be recommended to the Board for election. The manner in which Fellows are recommended to and selected by the Board shall be established by the Board from time to time and specified in the Board’s published policies and procedures and amended from time to time.”

[September 2018]

Important Dates:

- April 1: Nomination Forms Accepted
- June 15: Nomination deadline
- July 15: Reference Entries deadline
- January/February: Announcement of Elected Fellows (subsequent to Board of Trustees Approval)
- August 17&18, 2021: Award Ceremony at AIAA Fellows Recognition Dinner and AIAA Gala

Consistent with AIAA Bylaw 2.4, election of AIAA Fellows is an extraordinarily competitive process. Consequently, it is vitally important that, not only is a Nominee clearly deserving of selection; but, also, that he/she is supported by a compelling nomination package, which clearly describes the candidate’s contributions that merit his/her selection as a Fellow of the AIAA.

Remember, candidates for election to the grade of AIAA Fellow should indeed be PERSONS OF DISTINCTION in Aeronautics or Astronautics. Nominators should ensure that appropriate care and thoughtful consideration are reflected in the nomination package, to ensure that it clearly describes the Nominee’s accomplishments and contributions, and their impact on the aerospace body of knowledge, the aerospace profession, or the development of aerospace systems.

REQUIREMENTS

- The AIAA Fellow Nomination and References are to be submitted via the AIAA Online Awards System, by the deadline dates.
- Any AIAA member in good standing may submit a nomination.
- Self-nominations are **not** permitted.
- Only members who are active AIAA Associate Fellows at the time of the nomination deadline (May 15) are eligible to be considered for selection as an AIAA Fellow.
- The Nominator must seek four (4) AIAA members in good standing, who are able to affirm the breadth of the Nominee's qualifications, to act as References for the Nominee. At least one (1) Reference must be a Fellow or Honorary Fellow, member of the AIAA Council of Directors or Institute Board of Trustees, Section Chairperson, Technical Committee or Program Committee Chairperson.
 - Prior to identifying References on the Nomination Form, the Nominator **must** contact and confirm the willingness of each Reference to serve.
 - An organizationally diverse set of References is highly recommended.
 - The References' inputs, which serve to endorse the nomination of a Fellow candidate, are confidential to the nominator and nominee.
- The Nominator may not also serve as a Reference.
- The Committee will not review incomplete nomination packages.
- Nominees not selected for election to Fellow in the year of their initial nomination will be considered again in the subsequent selection cycle. If a Nominee is not selected after the 2nd year of consideration, a new nomination package **must** be submitted.
- If a nomination package is updated, it will be a new nomination and in its first year of review. A new entry into the online awards system is to be submitted; this include new reference entries.
- All nominees must be living at the time of the nomination deadline. Posthumous awards will only be made if the selectee passes after AIAA headquarters formally notified the person of their selection for the award but prior to presentation of the award. If a nominee passes during any carryover period, the nomination will be withdrawn and AIAA will notify the nominator. If a nominee passes while the selection process is ongoing, the nomination will be withdrawn and will not be considered.

ONLINE AWARD SYSTEM

Page 1 – Nominee and Nominator Information

It is the NOMINATOR who is to log into the system in order to begin the nomination. The system will validate the nominator's membership record and will auto-populate all required fields.

The Nominator is to search for his/her Fellow Candidate by entering the email associated with his/her member record.

Once validating this candidate is an AIAA Associate Fellow with an active membership, the system will auto-populate required fields. Any fields that are greyed out cannot be overridden. If there is a blank field, contact AIAA to update the member record.

Enter the Year when the nominee was awarded AIAA Associate Fellowship.

Select a Professional Activity Group (PAG) where the nominee made his or her most notable and valuable contributions. This will serve to align the contributions of the Nominee with the appropriate peer group for review and evaluation of the nomination. The Professional Activity Groups are:

- Aeronautics, Aviation Systems and Operations
- Aerospace Design, Materials, and Structures
- Aerospace Flight Sciences
- Aerospace Fluid and Thermal Sciences
- Aerospace Information and Sensor Systems, and Operations
- Aerospace Systems Integration, Management and Policy
- Astronautics, Space and Missile Systems, and Operations

Appendix A contains descriptions of the breadth of professional activities that are associated with each PAG.

Select the Professional Activity Group that is most closely aligned with the area in which the Nominee has made his/her most significant contributions.

Enter a Citation, under 25 words, in the Citation Box.

When done, click on "Save and Next" to proceed to Page 2.

Page 2 – Work Area of Significant Accomplishments

The Nominator must also select and identify one Work Area of Significant Accomplishments from the list below where the Nominee made his or her most notable and valuable contributions. This will assist the committee in putting the Nominee's contributions in context, and for demographic purposes.

- Academia, including University Affiliated Research Centers (UARC)
- Industry, including Non-Governmental Organizations
- Government, including FFRDCs and National Labs

*Select the **Work Area of Significant Accomplishments** that most closely aligns with the segment of our industry in which the Nominee made his/her most significant contributions, regardless of original or current employment.*

When done, click on “Save and Next” to proceed to Page 3.

Page 3 – Qualifications

Describe the notable technical and/or leadership **contributions** the Nominee has made to the arts, sciences or technology of aeronautics or astronautics; and describe the **impact** the Nominee’s contributions have had on the aerospace body of knowledge, the aerospace profession or industry, and/or the development, deployment, and operation of aerospace systems. There is a 700 word limit.

The Qualifications section should describe the Nominee’s most VALUABLE CONTRIBUTIONS (technical and/or leadership) and the resulting IMPACT of those contributions. A resume of the Nominee’s professional career is not appropriate!

- *The information provided should focus on the Nominee’s personal contributions, rather than contributions of a group with whom the candidate has worked.*
- *The information should not duplicate that which is included in the “Professional Record” or “Records of Achievement” sections of the nomination package.*

When done, click on “Save and Next” to proceed to Page 4.

Page 4 – Records of Achievement

Describe the Nominee’s most significant records of achievement that bear witness to, or are in addition to, the contributions and impacts described in the Qualifications section. Examples of such records may include, but are not limited to: leadership of development/review teams or panels; design of engineering hardware or software, mission or operational concepts; authorship/presentation of technical reports, other publications, patents, speeches or testimony; etc. There is a 500 word limit.

As noted above, this section should provide information that bears witness to the significance of the Nominee’s achievements and contributions.

- *For contributions that are not documented in technical reports or presentations, succinctly describe the achievement, its significance and impact.*
- *For technical papers and/or other publications, include the full citation, including all authors in appropriate order.*
- *For speeches or testimony, indicate the date and venue.*
- *For patents, include the patent number and complete title, and note the significance of the patent.*

When done, click on “Save and Next” to proceed to Page 5.

Page 5 – Professional Record

Provide a high-level chronology of the Nominee’s professional career and note any significant accomplishments that evolved from the Nominee’s service in those positions.

Up to 10 entries. Each entry is limited to 50 words

The Professional Record section provides for an abbreviated resume, documenting the Nominee’s career employment history. This section provides an opportunity to highlight additional accomplishments that may not have been noted in the “Qualifications” section.

When done, click on “Save and Next” to proceed to Page 6.

Page 6 – Educational Background

List the Nominee’s educational background by dates (in years - e.g., 2003-05), college/university, and degree(s)/major.

Up to 5 entries

When done, click on “Save and Next” to proceed to Page 7.

Page 7 – Honors and Awards

Note any honors and awards received by the Nominee that bear witness to the significance and impact of the Nominee’s professional contributions.

Up to 10 entries. Each entry is limited to 100 words

When done, click on “Save and Next” to proceed to Page 8.

Page 8 – Services to AIAA and Other Aerospace-Related Professional Organizations

Describe the Nominee’s service contributions, and the significance of those contributions, to the AIAA and/or other aerospace-related professional organizations.

Up to 10 entries. Each entry is limited to 100 words

Demonstrated service to the aerospace profession (as opposed to the Nominee’s employer) through active participation in aerospace-related professional organizations (not limited to AIAA) is an important consideration in the selection of AIAA Fellows. This section should indicate the character and significance of such contributions.

When done, click on “Save and Next” to proceed to Page 9.

Page 9 – Reference Information

Search the reference by his/her email associated with that membership record. The system will validate an active membership. The system will automatically enter the name.

Please note, this reference input is confidential. Only judges will be allowed to review the reference input as part of the nomination package.

The confidential information provided by a Nominee’s References is an extremely important source of information for independent confirmation of the qualifications of the Nominee for election to Fellow. References should have the requisite familiarity with the Nominee and his/her

contributions to affirm the veracity of the information contained in the nomination package and provide independent judgment of the merit of the Nominee's selection to become an AIAA Fellow.

Further, an organizationally diverse (academia, government, industry) set of References, which would view the Nominee's accomplishments and their impacts from differing perspectives, is recommended. As an example: If, in the Qualifications section of a nomination, it was asserted that the Nominee had contributed which found wide-spread application in industry, one would expect to see a Reference from a person in the Industry sector, who would affirm that assertion.

Note: Once a reference has submitted his/her reference input, the nominator will receive an email indicating so. If you need to check the status of the application, log into the system and select "Completed Nominations" on the left-hand side and click on "View" by your candidate.

When done, click on "Save and Next" to proceed to Page 10.

PAGE 10 – Submit

To submit the nomination, click on "Save and Finalize" Please make sure this is the FINAL version of the nomination. Once you click "Save and Finalize," the nominator cannot edit the nomination.

At this point, the references will receive an email indicating that they are a reference for your candidate. There is a link back to the online awards system to the reference entry page. This page is confidential, and the nominator will not be able to view these entries.

- Once a reference has submitted his/her reference input, the nominator will receive an email indicating so. If you need to check the status of the application, log into the system and select "Completed Nominations" on the left-hand side and click on "View" by your candidate.
- If you need to resend a reminder email to the references, go to the Reference Page and click on "Send reminder Email." This will also note which reference input have been received.

If you just want to save the nomination form and return later for additional edits, only click "Save." Just don't forget to official submit the nomination ("Save and Finalize") by June 15th.

Other Helpful Hints for a well-written Nomination:

- 1. Read and follow the instructions. Complete all sections of the Nomination Form.***
- 2. Recognize that the nomination package MUST stand on its own. No other information will be considered by the Fellow Selection Committee in the evaluation of Fellow candidates.***
- 3. Ensure that the nomination clearly delineates not only the Accomplishments and Contributions of the Nominee, but also the Impact of those contributions.***

4. Choose References carefully.

5. Election to the rank of AIAA Fellow is an extraordinarily competitive process. (Only one in one thousand AIAA members can be elected Fellow in any given year.) Consequently, each year, many deserving individuals do not “make the cut.” Recognize that other Nominees are as deserving of selection to become AIAA Fellow as you believe your candidate to be.

To View and Print a Nomination that has been submitted,

- Log into the Awards System
- On the left-hand side under “My Applications”, click on “Complete”
- Select your candidate and under the “Action” header, select “Print.” This will generate a pdf file

To View and Print a Nomination that has not been submitted,

- Log into the Awards System
- On the left-hand side under “My Applications”, click on “In Progress”
- Select your candidate and under the “Action” header, select “Print.” This will generate a pdf file
- You may continue to edit this nomination
- Just don’t forget to click on “Save and Finalize” on page 8 to submit the nomination!

Evaluation Criteria

The Fellows Selection Committee will evaluate each nomination package based upon the following weighted criteria:

- 60-Percent Technical and/or Leadership Contributions
- 20-Percent Service to AIAA and/or Other Aerospace-related Professional Organizations
- 20-Percent Quality of References

Announcements

The newly elected Fellows will be announced late January, upon the endorsement of the AIAA Honors and Award Committee and the Board of Trustees. Personal calls will be made to the new Fellows, with an official congratulatory letter to follow. Only the nominators of those not selected will be notified.

Fellows will be officially inducted during the annual AIAA Fellows Dinner and Ceremony in generally in May. The Fellows will be recognized at the AIAA Aerospace Awards Gala the following night.

Questions or General Information

Please contact Patricia A. Carr, Manager, AIAA Manager Honors and Award Program, at patriciac@aiaa.org

PROFESSIONAL ACTIVITY GROUPS (PAG)

The nominator must select and identify one Professional Activity Group (PAG) from the list below where the nominee made his or her most notable and valuable contributions

Aeronautics, Aviation Systems and Operations PAG – *Candidates in this group should be persons who have distinguished themselves through development and/or application of technology which has resulted in the creation of advanced aeronautical systems and/or enabled new aeronautical system capabilities.*

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| Aerodynamic Decelerator Systems | Aircraft Safety |
| Aeronautics Power and Energy Systems | Balloon Systems |
| Aeronautics Propulsion Technology and Integration | Energetic Components & Systems, Aeronautics |
| Aeronautics Test and Evaluation (including Flight Test) | General Aviation Systems |
| Air Transportation Systems | Ground Support Equipment |
| Aircraft Design | Hypersonic Systems |
| Aircraft Maintenance | Lighter-Than-Air Systems |
| Aircraft Operations | Marine Systems & Technology |
| | Unmanned Systems |
| | V/STOL Aircraft Systems |

Aerospace Design, Materials, and Structures PAG – *Candidates in this group should be persons who have distinguished themselves through achievements and contributions that have advanced the fundamental aerospace sciences disciplines related to systems design, materials, and structures, including both computational and experimental disciplines.*

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|---|--|
| Adaptive/Smart Structures | Non-Deterministic Approaches |
| Design Engineering | Radar Absorbing Materials and Structures |
| Materials | Structural Dynamics |
| Multidisciplinary Design Optimization | Structures |
| Micro/Nanotechnology – Materials/Structures Focus | Survivability |

Aerospace Flight Sciences PAG – *Candidates in this group should be persons who have distinguished themselves through achievements and contributions that have advanced the fundamental aerospace sciences disciplines related to the areas of flight mechanics, including both computational and experimental disciplines.*

Applied Aerodynamics
Astrodynamics
Atmospheric Flight Mechanics

Guidance, Navigation and Control
Modeling and Simulation – w/ Flight Mechanics
Focus

Aerospace Fluid and Thermal Sciences PAG – *Candidates in this group should be persons who have distinguished themselves through achievements and contributions that have advanced the fundamental aerospace sciences disciplines related to fluids and thermal transport, including both computational and experimental disciplines.*

Aeroacoustics
Aerodynamic Measurement Technology
Atmospheric Environments
Fluid Dynamics
Ground Testing
Meshing, Visualization, and Computational

Environments
Micro/Nanotechnology – Fluid/Thermal Focus
Plasmadynamics & Lasers
Propellants and Combustion
Thermophysics

Aerospace Information and Sensor Systems and Operations PAG – *Candidates in this group should be persons who have distinguished themselves through achievements and contributions that have advanced the information systems disciplines as related to information and sensor technologies, both hardware and software, that enable advances in aerospace mission capabilities*

Aerospace Electronics Systems
Communications Systems
Cybersecurity
Computer Systems
Digital Avionics Systems

Information and Command & Control
Intelligent Systems
Sensor Systems
Software Systems

Aerospace System Integration, Management and Policy PAG – *Candidates in this group should be persons who have distinguished themselves through achievements and contributions that have advanced the integration of management, social, economics, and policy, aspects which affect the aerospace industry and profession*

Economics
Environmental Assurance Compliance
History
Human Factors Engineering
Legal Aspects of Aeronautics & Astronautics
Management

Producibility and Cost Engineering
Production Engineering
Public Policy
Reliability
Society & Aerospace Technology
Standards Engineering
Systems Engineering

Astronautics, Space and Missile Systems and Operations PAG – *Candidates in this group should be persons who have distinguished themselves through advanced development and/or application of technology which has resulted in the creation of advanced space system capabilities and/or enabled new space missions.*

Directed Energy Applications
Gossamer Spacecraft

Launch Operations
Life Sciences & Systems

Microgravity and Space Processes
Missile Systems
Nuclear and Future Flight Propulsion
Rockets/Space Launch Vehicles
Satellite/Spacecraft Design, Integration and Test
Space Architecture
Space Automation & Robotics
Space Colonization
Space Environments
Space Logistics
Space Operations & Support

Space Power and Energy Systems
Space Propulsion Technology
Space Resources
Space Sciences & Astronomy
Space Systems
Space Tethers
Space Tourism
Space Transportation
Terraforming
Weapon System Effectiveness

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