

AIAA SciTech 2022

Structures Technical Committee

January 3-7, 2022
Manchester Grand Hyatt
San Diego, CA

The Structures Technical Discipline covers any aero-structure, aircraft and/or spacecraft (e.g., launch vehicles), related science and technology in design, analysis, computer modeling, optimization, manufacturing, and testing. Its topics include the latest development in both traditional structures and innovative concepts, range from coupons, components to vehicles and compose of metallic, composite, or hybrid materials. It also covers refinement, improvement and development of current approaches, and exploration in structural repair, damage, fatigue, fracture, stability and manufacturing. Papers on advancements in durability, damage tolerance, aging, fail-safe and/or safe life are also encouraged. Strongly encouraged are papers on best practices, historical lessons learned, and advances in structural applications.

AIAA Structures Technical Discipline at SciTech 2022 will include special joint sessions in Additive Manufacturing, Integrated Computational Materials Engineering (ICME), 3D Woven Composites, and Structural Optimization. There will also be two Special Sessions in Honor of Mr. H. Stanley Greenberg and Dr. Johann Arbocz.

We are inviting your team to submit a paper for the AIAA Structures Technical Discipline at SciTech 2022. Enclosed the important deadlines:

23 Mar	Submission Site Open
01 Jun	Abstract Submission Deadline
12 Jul	Decision Deadline
27 Aug	Author/Session Chair Notices Sent
08 Sep	Manuscript Submission Opens
02 Dec	Manuscript Submission Deadline

For more information, contact the AIAA Technical Discipline Chair for SciTech 2022:

Vijay K. Goyal
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Traditional Sessions:

Typical Sessions over the last 5-years

Aircraft and Spacecraft Structural Design, Analysis and Testing
Buckling and Stability of Aircraft and Spacecraft Structures
Composite Structural Analysis, Design, Testing and Manufacturing
Damage, Fatigue and Fracture of Structures
Best Practices, Lessons Learned, and Advances in Structural Applications

Special Sessions:

Special Sessions, Some are Joint with other TC

Artificial Intelligence and Machine Learning for Problems in Structures and Materials
Bonded and Fastened Joint Design, Analysis, Test and Repair
Design, Analysis, and Certification of Additive Structures
Developments of ICME for Advanced Materials and Structures
Fail-Safe Technologies for Bonded Unitized Composite Structures
Innovative and Multifunctional Concepts and Approaches in Aerospace Structures
Impact Damage and Residual Strength After Impact
Structural Optimization and Multiscale Modeling
Survivable Structures
3D Woven Composites Materials and Structures

“In Honor of” Sessions:

Sessions in Recognition to People who have left an impact

Special Session in Honor of Mr. H. Stanley Greenberg
Special Session in Honor of Dr. Johann Arbocz

Scroll the next pages for a description of the above topics

Call for Papers

The AIAA Structures Technical Committee is sponsoring Papers on

Best Practices, Lessons Learned, and Advances in Structural Applications

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures Committee solicits papers with recent research, technological advancements, and systems-level perspectives on **Best Practices, Lessons Learned, and Advances in Structural Applications** within the AIAA SciTech conference. Structural failures occur in aerospace applications due to known weaknesses in designs, manufacturing issues, and due to many other sources, including not knowing previous lessons learned that could have prevented the failure in the first place. Disseminating lessons learned stemming from industry experience, applied research, and academic research across organizations can help advanced structural technologies, mature structures research, and potentially reduce aerospace failures. Applications to all aero-structures, aircraft and spacecraft (such as launch vehicles), are welcome. Papers will form part of one of the following sponsored topics:

- Aircraft and Spacecraft Structural Design, Analysis and Testing
- Bonded and Fastened Joint Design, Analysis, Test and Repair
- Buckling and Stability of Aircraft and Spacecraft Structures
- Composite Structural Analysis, Design, Testing and Manufacturing
- Damage, Fatigue and Fracture of Structures
- Design, Analysis, and Certification of Additive Structures
- Impact Damage and Residual Strength After Impact

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**

Author notification of paper acceptance on or about **August 27, 2021**

Final manuscript due **December 2, 2021**

Detailed abstract preparation instructions and policies can be found at

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “Corresponding” topic option under the “Structures” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Dr. Vijay K. Goyal

Lockheed Martin Corporation

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Call for Papers

The AIAA Structures Technical Committee and the Materials Technical Committee are sponsoring a Joint Special Session on

Artificial Intelligence and Machine Learning for Problems in Structures and Materials

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures and Materials Technical Committees solicit papers with recent research, technological advancements, and systems-level perspectives in **Artificial Intelligence and Machine Learning for Problems in Structures and Materials** within the AIAA SciTech conference. Artificial Intelligence and machine learning (deep learning included) technologies offer the potential to revolutionize and streamline current processes to develop and qualify materials and improve our design process for aerospace structures. These sessions will examine applications of various artificial intelligence and machine learning technologies to develop new material further and structural applications and their application to design and qualification/certification. Applications to all aero-structures, aircraft and spacecraft (such as launch vehicles), are welcome.

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**
Author notification of paper acceptance on or about **August 27, 2021**
Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “Artificial Intelligence and Machine Learning for Problems in Structures and Materials” topic option under “Structures” or “Materials” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Dr. Wenbin Yu
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Dr. Steven Wanthal
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Call for Papers

The AIAA Structures Technical Committee is hosting a Session on

Bonded and Fastened Joint Design, Analysis, Test and Repair

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures Committee solicits papers with recent research, technological advancements, and systems-level perspectives in the sessions on **Bonded and Fastened Joint Design, Analysis, Test and Repair** within the AIAA SciTech conference. This session will focus on technology advances in the areas of design, analysis, manufacturing, inspection, testing, and performance evaluation of Structural Joints and Repairs for aerospace vehicles. Structural joints may include bonded, bolted, or new innovative joining methods. Structural repairs may include innovative design concepts, new material combinations, and/or manufacturing processes. Topics of interest may include but are not limited to: analysis & design for predicting strength and durability, structural health monitoring for assessing the integrity, material selection and processing, 3D printing, non-destructive testing for damage assessment, automated joining and repair processes for repeatability and reliability.

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**
Author notification of paper acceptance on or about **August 27, 2021**
Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:
<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “Bonded and Fastened Joint Design, Analysis, Test and Repair” topic option under “Structures” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Dr. Stephanie TerMaath
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Dr. Scott Norwood
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Call for Papers

The AIAA Structures Technical Committee is hosting a Session on

Design, Analysis, and Certification of Additive Structures

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures Committee solicits papers with recent research, technological advancements, and systems-level perspectives on **Design, Analysis, and Certification of Additive Structures** within the AIAA SciTech conference. Additive manufacturing (AM) using 3D printing has the potential to revolutionize the design of many types of structural components if the challenge of designing and fabricating components with reliability sufficient for certification can be met. Opportunities to leverage AM processes for structural improvement include low volume production, aging component replacement, piece part reduction and assembly simplification, material savings, multi-functionality, increased complexity, and weight and performance improvement through generative design optimization free from many conventional manufacturing constraints. Despite these opportunities, formidable challenges remain in manufacturing process reliability, design, and analysis methodology, printed part inspection, and certification, etc. Development and application papers addressing these challenges at the structural or component level are welcome. Applications to all aero-structures, aircraft and spacecraft (such as launch vehicles), are welcome. Typical, but not limited to, topics could include:

- AM-informed design, analysis, and optimization methods
- Generative design optimization for AM
- Lattice structure design and application
- Process-structure-property-performance relationships, sensitivities, and models
- Multiscale and reliability-based approaches
- Qualification/certification approaches
- Traditional building block approach
- Rapid qualification framework
- Inspection methods—in-situ and post-process, destructive and non-destructive

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

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Author notification of paper acceptance on or about **August 27, 2021**

Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “Design, Analysis, and Certification of Additive Structures” topic option under “Structures” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

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Dr. Zhenning Hu

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Call for Papers

The AIAA Structures Technical Committee and the Materials Technical Committee are sponsoring a Joint Special Session on

Developments of ICME for Advanced Materials and Structures

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures and Material Technical Committees solicit papers with recent research, technological advancements, and systems-level perspectives in the sessions on **Developments of ICME for Advanced Materials and Structures** within the AIAA SciTech conference. **Integrated Computational Materials Engineering (ICME)** initiatives focus on the integration of materials information (captured in models and computational tools at various length and time scales), with engineering product performance analysis/design and manufacturing process simulation (references: NAP 2008, NSTC 2011, NASA/CR-2018-219771). To this end, we invite papers addressing all aspects of ICME (processing and material modeling, microstructure, optimization, uncertainty quantification, structural response, etc.) as related to the analysis and experimental validation of studies that provide insight in advancing this topic. Specifically, we would like to see papers addressing issues/challenges involved in the **integration** of computational materials models and design/structures/optimization over at least two length scales from “processing” to “performance”, with emphasis on structural performance. The end goal of these sessions is to catalog challenges and solutions which will facilitate the successful implementation of ICME concepts in industry and research labs. All aerospace applications (aircraft or spacecraft, such as launch vehicles), are welcome.

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**

Author notification of paper acceptance on or about **August 27, 2021**

Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “Developments of ICME for Advanced Materials and Structures” topic option under “Structures” or “Materials” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Dr. Stephanie TerMaath

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Dr. Anthony M. Waas

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Dr. Steven M. Arnold

NASA Glenn Research

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Call for Papers

The AIAA Structures Technical Committee is sponsoring a Special Session on

Innovative and Multifunctional Concepts and Approaches in Aerospace Structures

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures Committee solicits papers with recent research, technological advancements, and systems-level perspectives on **Innovative and Multifunctional Concepts and Approaches in Aerospace Structures** within the AIAA SciTech conference. Applications to all aero-structures, aircraft and spacecraft (such as launch vehicles), are welcome. Typical, but not limited to, topics could include:

- Space applications that incorporate primary structure that can enhance MMOD resistance, energy storage, heat transfer, radiation protection, dimensionally stable antennae, etc.
- Aircraft structures that incorporate primary structure with other requirements such as lightning strike protection, acoustic transmission reduction, fuel storage and venting, thermal or electrical conductivity (or insulation), energy storage or radiation (such as batteries or antenna), increase of operating temperature of aerospace propulsion components, etc.
- Modeling and experimentation of predictive relationships between the structure and material composition, such as multifunctional structures taking advantage of the high specific properties at the nanoscale with the goal of translating these properties to the macroscale
- Integration for more complex phenomena and interdisciplinary couplings between the structures discipline and other traditionally separate disciplines such as aerodynamics, heat transfer, materials, control, electromagnetics, optics, chemistry, and biology, such as high-fidelity physics-based models to advance safety and reliability
- Integrated system analysis and design to couple subsystems, components, subcomponents, and environment, including innovative applications, apparatus and techniques.

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**

Author notification of paper acceptance on or about **August 27, 2021**

Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “Innovative and Multifunctional Concepts and Approaches in Aerospace Structures” topic option under “Structures” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Mr. Andrew Lovejoy
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Dr. James B. Min
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James.B.Min@nasa.gov

Call for Papers

The AIAA Structures Technical Committee is hosting a Session on

Impact Damage and Residual Strength After Impact

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures Committee solicits papers with recent research, technological advancements, and systems-level perspectives on **Impact Damage and Residual Strength After Impact** within the AIAA SciTech conference. Papers are solicited for topics that address impact damage and residual strength after the impact of aero-structures, both aircraft and spacecraft. Topics include experimental, computational, and analytical studies that inform and enhance our understanding of impact damage mechanisms as a function of impactor energy, impactor velocity, material type, size of the structure, and boundary conditions. Furthermore, the response of a composite laminate post-impact, when subjected to external tensile, compressive and shear loads, and transverse loading is also welcome as well as papers that address the fatigue response of impact damaged structures.

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**

Author notification of paper acceptance on or about **August 27, 2021**

Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “Impact Damage and Residual Strength After Impact” topic option under “Structures” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Vipul Ranatunga

Air Force Research Lab

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Mostafa Rassaian

RASSAIAN LLC, AIAA Fellow

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Call for Papers

The AIAA Structures Technical Committee and Multidisciplinary Design and Optimization Technical Committee are sponsoring a Joint Special Session on

Structural Optimization and Multiscale Modeling

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures and Multidisciplinary Design and Optimization Technical Committees solicit papers with recent research, technological advancements, and systems-level perspectives on **Structural Optimization and Multiscale Modeling** within the AIAA SciTech conference. This session will focus on technology advances in the areas of structural optimization and multi-scale structural modeling for aerospace vehicles with objectives of improved strength or stiffness properties and reduced weight, complexity, or cost. Topics of interest include but are not limited to optimization of: structural topology, metallic/composite structure, shape, sizing methods and applications, multi-scale modeling such as material micro, macro and mesoscale structures like lattice and other periodic and non-periodic cellular structures, component detail optimization and configuration optimization or load path tailoring within larger systems. Applications to all aero-structures, aircraft and spacecraft (such as launch vehicles), are welcome.

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**

Author notification of paper acceptance on or about **August 27, 2021**

Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “Structural Optimization and Multiscale Modeling” topic option under “Structures” or “MDO” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Dr. Vijay K. Goyal

Lockheed Martin Corporation

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Mike Henson

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Call for Papers

The AIAA Structures Technical Committee and Survivability Technical Committee are sponsoring a Joint Special Session on

Survivable Structures

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures Technical and Survivability Technical Committees solicit papers with recent research, technological advancements, and systems-level perspectives on **Survivable Structures** for the AIAA SciTech conference. Survivability improvements for air and space systems increasingly rely on the development of new structural designs, which must be lightweight but also satisfy a demanding set of mechanical, thermal, electromagnetic, or other requirements. Examples include: (1) improved ballistic protection systems for rotary-wing aircraft, (2) improved thermal protection systems for spacecraft, (3) low observability structures, (4) designs that incorporate structural health monitoring or self-healing, (5) additively manufactured structural components with properties optimized for specific applications, and (6) novel structural designs for impact mitigation and stress wave management. Applications to all aero-structures, aircraft and spacecraft (such as launch vehicles), are welcome.

The Committees welcome submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**
Author notification of paper acceptance on or about **August 27, 2021**
Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “Survivable Structures” topic option under “Structures” or “Survivability” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Tony DiCarlo
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Carrell McAllister
carrell.mcallister@gmail.com

Call for Papers

The AIAA Structures Technical Committee and the Materials Technical Committees are sponsoring a Joint Special Session on

3D Woven Composites Materials and Structures

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures and Materials Technical Committees solicit papers with recent research, technological advancements, and systems-level perspectives on **3D Woven Composites Materials and Structures** within the AIAA SciTech conference. It is the intention to examine advances relevant to aerospace materials and structures including:

- Design, analysis, and test of 3D woven materials and structures for aircraft and launch vehicle applications
- New analysis methods for 3D woven material and structural design and evaluation
- Novel observations of material and structural response characteristics resulting from mechanical and/or thermal loading
- Analysis method developments for process modeling including weaving, compaction, infusion, and/or cure of 3D woven preforms
- Qualification/certification approaches and challenges for 3D woven materials and structures

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**

Author notification of paper acceptance on or about **August 27, 2021**

Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the “3D Woven Composites Materials and Structures” topic option under “Structures” or “Materials” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Dr. Andrew Bergan

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Dr. Brett Bednarcyk

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Dr. Evan Pineda

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Dr. Marianna Maiaru

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Call for Papers

The AIAA Structures Technical Committee and the Structural Dynamics Technical Committee are sponsoring a Joint Special Session in

Honor of Mr. H. Stanley Greenberg

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures and Structural Dynamics Technical Committees solicit papers in honor of **Mr. H. Stanley Greenberg** within the AIAA SciTech conference. Mr. H. Stanley Greenberg, who passed away in December of 2020, was active for over 45 years in the field of aerospace structures, design, and analysis. From 1996 to 2014, he was a consultant to Kistler Aerospace, the Boeing Co., and Northrop Grumman on Reusable Launch Vehicles. He was at Rockwell International's Space Systems Division (SSD) from 1962 to 1996, serving in the Structures department focusing on space design, composite materials, testing, performance, and then later as a mentor and teacher of structural mechanics. At Rockwell, he led the Space Shuttle Orbiter Crew Compartment subsystem and the proposal for the Space Station Freedom Work Package 2 Integrated Truss. As Program Manager in 1994, he won 3 Major Technology Development Contracts for a Single Stage Reusable Launch Vehicle. Prior to Shuttle, he was involved in numerous optimization studies applied to the structures of the Saturn S-II stage such as 1) Modified S-II, 2) S-II Simplification, and 3) 6 Engine S-II. Over the past 26 years, Stan presented the course "Design and Analysis of Launch Vehicle Structures" to well over 600 Engineers from industry, academia, and NASA. Please consider honoring him by submitting an abstract to this Special Session. Potential topics could include, but are not limited to:

- Launch Vehicle Design and Analysis
- Reusable tank composite development
- Equivalency Techniques for Preliminary Design of Complex Aerospace Structures
- Space Systems Technology and Development
- Structural Developments in Single Stage to Orbit Vehicle Designs
- Structural Design Optimization of Large Space Structures

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

Extended abstracts of no less than 1,000 words are due **June 1, 2021**

Author notification of paper acceptance on or about **August 27, 2021**

Final manuscript due **December 2, 2021**

Detailed deadline information, abstract preparation instructions, and policies can be found at:

<https://www.aiaa.org/SciTech/presentations-papers/call-for-papers>

Make sure to select the "Special Session in Honor of H. Stanley Greenberg" topic option under the "Structures" or "Structural Dynamics" technical discipline when prompted during submission.

For more information, contact one of the following organizers:

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Call for Papers

The AIAA Structures Technical Committee is sponsoring a Special Session in

Honor of Dr. Johann Arbocz

AIAA SciTech 2022

January 3-7, 2022

San Diego, CA

The AIAA (American Institute of Aeronautics and Astronautics) Structures Committee solicits papers in honor of **Prof. Johann Arbocz** within the AIAA SciTech conference. Prof. Johann Arbocz, who passed away in July 2019, led a distinguished career in aerospace research and education for over 50 years. After obtaining his doctoral degree in 1968 from CalTech, he held several positions at Northrop Institute of Technology and CalTech, where he became well-known for his buckling research, a topic that would remain his primary career focus. In 1976, Johann moved to the Netherlands to join professor Koiter and the TU Delft faculty. In 1997, he became chair of Aerospace Structures and Computational Mechanics and stayed in this position until 2001 when he retired. After his retirement, he spent one year at NASA as a visiting researcher and returned TU Delft as an emeritus professor until retiring for good in 2014. Prof. Arbocz has left a tremendous legacy of impactful work in areas including shell buckling, imperfection sensitivity, and analysis and design methods. His research is captured in an untold number of journal publications, AIAA conference proceedings, and textbooks. Much of his work later served as the foundation of the ESA Buckling Handbook published in 2010. Johann Arbocz was not only an excellent researcher; he was also an inspirational teacher and leader. He taught many a course in structural analysis at TU Delft and inspired colleagues throughout his life. Prof. Arbocz was elected AIAA Fellow in 2002. Please consider honoring him by submitting an abstract to this Special Session. Potential topics could include, but are not limited to: Shell Buckling and Design, Imperfection Sensitivity, Hierarchical Design Methods.

The committee welcomes submissions from government, industry, academic, and small businesses. All abstracts are peer-reviewed.

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Make sure to select the “Special Session in Honor of Dr. Johann Arbocz” topic under the “Structures” technical discipline when prompted during submission.

For more information, contact one of the following organizers:

Dr. Mark W. Hilburger
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