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Enter your email in the field below.

Email

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Questions? Contact Submission Services at education@auvsi.org.

Submitter Information

Please ensure all required fields are complete before moving to the next section. Upon acceptance to the XPONENTIAL program, the speaker headshot and biography provided will be used in session listings. **Please enter your information.** If you are not the speaker, and are submitting on behalf of someone else, please note that you will need to add the speaker(s) to the presentation proposal before submitting. You will add additional speakers on the "Review Information" page at the end of the form.

Red = Required fields

Point of Contact/Submitter

[Required] Submitter Point of Contact/Submitter
 Speaker

Prefix

First Name

Last Name

Suffix

Credentials

Speaker Job Title

Primary Contact Email

Work Phone

Cell Phone

Organization

Address1

Address2

City

State

Zip Code

Country

Organization Phone

Profile Information

Photo

File Types: jpg, jpeg, gif, png

Resolution: > 600 dpi

Size limit: 1mb



Are you a speaker for the proposed presentation? [REQUIRED]

clear selection

Yes

No - I am Point of Contact / Submitter

Biography [REQUIRED]

Please provide a brief speaker bio. (Limit 500 characters)

Characters remaining: 500

Past Presentation [REQUIRED]

In the last 3 years, have you participated as a speaker at an AUVSI event?

clear selection

Yes

No

Abstract Information

Are you promoting a product or service? [REQUIRED]

The XPONENTIAL program is designed to be educational in nature.

Proposals that are promoting a product or service will be considered for inclusion in the Enterprise and Government Solutions track and/or the Solutions Theater stage, which are sponsored sessions.

Please contact [Krys Jackson](#) or [Brett Babcock](#) for more information.

[clear selection](#)

- No
- Yes

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Track [REQUIRED]

In what broad theme, or Track, does your presentation most closely align?

[clear selection](#)

- DATA & ANALYTICS
- IMPLEMENTATION & PLANNING
- OPERATIONAL ECOSYSTEMS
- POLICY & REGULATIONS
- TECHNICAL COMPONENTS & MATERIALS
- TECHNICAL RESEARCH & PLATFORM DEVELOPMENT
- UNCREWED SYSTEMS SECURITY

Data & Analytics Sub-Topic [REQUIRED]

In the design of autonomy, strong data management is foundational. Whether it is the development of data standards, collection techniques, curation, or processing and design for AI / ML, these discussions are paramount.

Please select the topic(s) below that best align with your proposal submission.

You can select up to 5 items.

- Data Analysis
- Data Collection
- Data Curation
- Data Management
- Data Privacy
- Data Processing
- Data Science
- Data Security
- Data Sovereignty
- Data Standards
- Data Storage
- Data Taxonomy
- Edge Processing/Computing
- Intelligence

- Policy/Standards to Realize this Data Plan
- Predictive Maintenance

Implementation & Value Sub-Topic (REQUIRED)

Autonomy creates new opportunities for industries, organizations, and governments alike. Many of the technologies can be used cross-domain and cross-sector, and understanding their applications and advantages helps to increase adoption by end users — leading to market growth and increased revenue. Topics include use cases and applications across industries and government sectors, success stories and case studies from international, state, and local stakeholders.

Please select the topic(s) below that best align with your proposal submission.

You can select up to 5 items.

- AAM and Infrastructure Investment
- C-UAS
- Community Outreach
- Conservation/Blue Technology
- Defense Applications/Missions
- Delivery
- Drones as a Service
- Freight
- Funding
- Future Mobility
- Illustrating ROI
- Industry Collaboration
- Industry Research
- Inspections
- Investment
- Mapping
- Media/Communications
- Part 135 Implementation
- Reconnaissance Missions
- Security
- Shipping
- Supply Chain and Logistics
- Surveillance
- Surveying
- Technology Adoption
- Transparency/Trust
- Urban Air Mobility
- Use Cases
- Venture Capital
- Warehouse

Operational Ecosystems Sub-Topic (REQUIRED)

To operationalize autonomy, we must develop a plan to turn abstract into reality. The key constructs that will allow for operationalization of autonomy include establishment of the right infrastructure, both digital and physical, as well as testing, certification, and standards development, workforce and training, and identification of measurable and actionable outcomes supporting that future infrastructure. To realistically operationalize, we must transition from single testing environments to testing ecosystems that represent the progressive nature of introducing new operations. These ecosystems can be mission-focused, geographically specific, or technology agnostic, introducing operational nuances such as weather, system predictability, equipment degradation or failures, or even priority shifts and human intervention.

Please select the topic(s) below that best align with your proposal submission.

You can select up to 5 items.

- AAM
- C-UxS
- Charging Stations
- Command and Control (C2)
- Contingency Planning
- DEI
- Digital Infrastructure
- Dual Purpose Tech
- Electrification
- Energy
- EV
- Logistics
- Networks
- Physical Infrastructure
- Port Cities
- Predictability
- RAM
- Risk Management
- Safety
- Skills Gap
- Sky Ports/Vertiports
- Smart Cities

- EV
- eVTOL
- Financing for Infrastructure Development
- Fire Suppression
- Freight Docks
- Funding
- Grants
- Human – Machine Teaming
- Human Factors
- Legacy Systems
- Lessons Learned
- Smart Cities
- Standards Development
- Sustainability
- System of Systems
- Testing and Certification
- Training / Reskilling
- Training and Workforce Development
- UAM
- UTM
- Weather

Policy & Regulations Sub-Topic [REQUIRED]

For the safe and seamless integration of autonomy into society, industry and government stakeholders must work together to develop policies, processes, and frameworks to support the laws that govern these systems and their implementation. Topics will relate to federal, state, local, tribal, and territorial authorities and the evolving regulatory environment, to include concepts for joint governance and shared infrastructure responsibility policy.

Please select the topic(s) below that best align with your proposal submission.

You can select up to 5 items.

- Certification
- COLREGS
- Demonstrations and Experimental Development
- Ethics and Responsible Innovation
- Federal Policy & Regulations
- Grassroot Initiatives and Content Involving Federal, State, Local, Tribal, and Territorial Agencies (FAA, NHTSA, NTSB, DOIT, FCC, IMO, NACo, State DOT, Tribal Nation, Etc.)
- Insurance and Liability
- National Security Issues
- Policy Navigation and Understanding
- Proof of Concepts
- Security Standards
- State & Local & Tribal & Territorial Regulations
- Technical Standards
- Trust

Technical Submission [REQUIRED]

The track you have chosen is a Technical Track and requires a technical research paper.

By clicking below, you acknowledge that a technical research paper must be submitted prior to giving this presentation. Technical research papers will be due by **May, 1, 2025**.

[clear selection](#)

- Yes, I agree to submit a technical research paper

Technical Components & Materials Sub-Topic [REQUIRED]

This track focuses on the foundational elements that enable the functionality, reliability, and performance of uncrewed and autonomous vehicle systems. Attendees will gain valuable insights into state-of-the-art components such as sensors, actuators, communication systems, propulsion technologies, energy storage solutions, and advanced materials. Discussions will cover

optimization strategies, durability enhancements, sustainability considerations, and emerging trends in component and material engineering for uncrewed systems.

Please select the topic(s) below that best align with your proposal submission.

You can select up to 5 items.

- Advanced Materials and Additive Manufacturing Processes
- Airworthiness
- Battery Lifespan
- Communications
- Composites
- Durability
- Energy Storage Solutions
- Optimization
- Propulsion Technologies
- Safety
- Sensors
- Vision Systems

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By clicking below, you acknowledge that a technical research paper must be submitted prior to giving this presentation. Technical research papers will be due by **May, 1, 2025**.

[clear selection](#)

- Yes, I agree to submit a technical research paper

Technical Research & Platform Development Sub-Topic (REQUIRED)

This track delves into cutting-edge research, innovations, and advancements driving the evolution of uncrewed and autonomous vehicle systems. Experts will share insights on next-generation technologies, algorithm development, sensor integration, AI and machine learning applications, models, simulations, and testing methodologies. Sessions will explore the latest trends, challenges, and breakthroughs shaping the future of uncrewed systems.

Please select the topic(s) below that best align with your proposal submission.

You can select up to 5 items.

- AI Assurance
- Algorithm Development
- Applied Research
- Artificial Intelligence
- Blockchain
- Common Control
- Computer Vision
- Data Assurance
- Degrees of Autonomy
- Design Principles
- Design Standards
- Ethics
- Field Testing
- Large Language Models
- Machine Learning
- Mission Capability
- Path Planning
- Perception
- Prototyping
- Quantum Technologies
- R&D
- Readiness Levels
- Sandbox
- Sensor Integration
- Testing Methodologies
- Transparency and Trust

Generative AI

Human-Centered Design

Key Site

IRL

Verification and Validation (V & V)

Uncrewed Systems Security Sub-Topic [REQUIRED]

Ensuring the safety and security of autonomous vehicles, robotics, and uncrewed systems must be at the forefront of industry and government conversations. This track will cover both cybersecurity and counter-UxS (uncrewed systems) topics, addressing a comprehensive range of safety and security issues. From cybersecurity benchmarks and spoof resistant solutions to data security measures and counter-UxS threat mitigation strategies to integrating advanced and evolving security practice into the safety culture, topics should focus on ensuring robust security frameworks and information assurance. Attendees will gain insights into the latest standards, testing protocols, and protective measures to safeguard against both cyber threats and physical UxS threats.

Please select the topic(s) below that best align with your proposal submission.

You can select up to 5 items.

- | | |
|--|---|
| <input type="checkbox"/> Authority to Operate (ATO) | <input type="checkbox"/> Resilience |
| <input type="checkbox"/> CISA | <input type="checkbox"/> Reverse Engineer |
| <input type="checkbox"/> Cloud Security | <input type="checkbox"/> Risk |
| <input type="checkbox"/> Control and Security Systems | <input type="checkbox"/> Secure Logging |
| <input type="checkbox"/> Cybersecurity Standards | <input type="checkbox"/> Security Audit |
| <input type="checkbox"/> Data Protection and Privacy | <input type="checkbox"/> Security Framework |
| <input type="checkbox"/> Drone Forensics | <input type="checkbox"/> Spoofing |
| <input type="checkbox"/> Encryption | <input type="checkbox"/> Supply Chain Security |
| <input type="checkbox"/> Firmware Security | <input type="checkbox"/> Tamper-Proof AI |
| <input type="checkbox"/> Hardware And Software Malfunction | <input type="checkbox"/> Technical Protection |
| <input type="checkbox"/> Network Security | <input type="checkbox"/> Testing |
| <input type="checkbox"/> OSINT | <input type="checkbox"/> Vulnerability Assessment |
| <input type="checkbox"/> Product Safety | |

Session Format [REQUIRED]

Select the type of presentation being submitted for consideration. (Select one, descriptions provided below based on selection)

[clear selection](#)

- Stand Alone/Fireside Session (1-2 speakers, 20 minutes)
- Panel Session (up to 5 speakers, including the moderator, 50 minutes)
- Debate Session (up to 5 debaters, including the moderator, 50 minutes)
- Workshop (90-120 minutes)

Stand Alone / Fireside Session - Additional Speaker(s) [REQUIRED]

Stand Alone / Fireside Sessions:

Stand Alone presentations require one (1) speaker.

If you are a Point of Contact / Submitter, you will add the speaker on the "**Review Information**" page.

Fireside Sessions have two (2) speakers:

You will need to add all speakers that will be included in the Fireside session before submitting.

- Speakers will be added on the "**Review Information**" page prior to submitting.
- At a minimum, you must provide: Speaker Role, Name, Email, Organization.
- If you are a Point of Contact / Submitter, you must add both speakers on the "Review Information" page.
- Submissions that do not include additional speaker(s) will not be considered.

- Submissions that do not include additional speaker(s) will not be considered.

- Upon acceptance to the program, any speaker changes will be subject to review and approval by AUVSI and the XPONENTIAL 2025 Steering Committee.

Note: Speakers listed here will **not** receive additional communication until the proposed session is accepted by AUVSI **and** confirmed by you (the submitter).

[clear selection](#)

I understand

Panel Session - Additional Speakers **[REQUIRED]**

Panel Sessions:

You will need to add **all** speakers that will be included in this session before submitting.

- The maximum number of speakers, including the moderator, is 5.
- Speakers will be added on the "**Review Information**" page prior to submitting.
 - At a minimum, you must provide: Speaker Role, Name, Email, Organization.
- If you are a Point of Contact / Submitter, you must add the moderator and panelists on the "**Review Information**" page.
- Panel submissions that do not include additional speakers will not be considered.
- Upon acceptance to the program, any speaker changes will be subject to review and approval by AUVSI and the XPONENTIAL 2025 Steering Committee.

Note: Speakers listed here will **not** receive additional communication until the proposed session is accepted by AUVSI **and** confirmed by you (the submitter).

Debate Session - Additional Speakers **[REQUIRED]**

Debate Sessions:

New this year: To encourage healthy dialogue around the most pressing issues in the industry, we will facilitate several debates as a part of the conference program. Debate topics should focus on issues that are current, relevant, and important to our audience and include speakers with varied viewpoints and backgrounds to provide a balanced discussion. This diversity can lead to a more dynamic and interesting debate. Consider the following for your debate proposal:

- **Expert Moderation:** Please consider the moderator carefully. A skilled moderator can guide the discussion, ensuring it remains on track, fair, and engaging. The moderator should be knowledgeable about the topic and able to ask insightful questions.
- **Passionate Speakers:** Debaters who are passionate and knowledgeable about their stance can make the debate more compelling. Their enthusiasm can be infectious and engaging for the audience.
- **Balanced Time Allocation:** Ensure each speaker has adequate time to present their arguments and respond to others. This fairness maintains the integrity of the debate and keeps it balanced.
- **Clear Objectives:** The debate should have clear goals, whether it's to inform, persuade, or simply stimulate thought. Knowing the purpose helps structure the content and guide the discussion.
- **Respectful Discourse:** While a debate involves differing opinions, it should remain respectful. Civil discourse maintains professionalism and keeps the focus on the issues rather than personal attacks.

Important Information:

You will need to add **all** speakers that will be included in this session before submitting.

- The maximum number of speakers, including the moderator, is 5.
- Speakers will be added on the "**Review Information**" page prior to submitting.
 - At a minimum, you must provide: Speaker Role, Name, Email, Organization.
- If you are a Point of Contact / Submitter, you must add the moderator and debaters on the "Review Information" page.
- Debate submissions that do not include additional speakers will not be considered.
- Upon acceptance to the program, any speaker changes will be subject to review and approval by AUVSI and the XPONENTIAL 2025 Steering Committee.

Note: Speakers listed here will **not** receive additional communication until the proposed session is accepted by AUVSI **and** confirmed by you (the submitter).

[clear selection](#)

I understand

Workshop Session - Additional Speakers [REQUIRED]

Workshop Sessions:

XPONENTIAL workshops are in-depth opportunities for learners to engage, train, collaborate, and/or immerse themselves in a focused topic area.

Workshops vary greatly in terms of speaker and facilitator participation. Please provide as much speaker information as possible with your submission.

You will need to add **all** speakers that will be included in this session before submitting.

- The maximum number of speakers the system can accept is 5. If your workshop will include more than 5 speakers / facilitators, they can be added after acceptance into the program.
- Speakers will be added on the "**Review Information**" page prior to submitting.
 - At a minimum, you must provide: Speaker Role, Name, Email, Organization.
- If you are a Point of Contact / Submitter, you must add the workshop facilitator on the "**Review Information**" page.
- Workshop submissions without at least one facilitator / speaker will not be considered.
- Upon acceptance to the program, any speaker changes will be subject to review and approval by AUVSI and the XPONENTIAL 2025 Steering Committee.

Note: Speakers listed here will **not** receive additional communication until the proposed session is accepted by AUVSI **and** confirmed by you (the submitter).

[clear selection](#)

I understand

Presentation Title [REQUIRED]

If selected, this will be listed as the presentation title in the conference program.

Please note, AUVSI reserves the right to edit and update presentation titles at their discretion, with communication to the submitter.

Brief Presentation Description [REQUIRED]

Upon selection, this brief summary (200-word max) will be used as the description for the conference program listing.

Please note, AUVSI reserves the right to edit and update presentation summaries at their discretion, with communication to the submitter.

Words remaining:

Detailed Presentation Abstract [REQUIRED]

Please provide a 4,000 character or less detailed description of the content you plan to present at XPONENTIAL 2025. The description will be used by the XPONENTIAL Proposal Review Team and AUVSI staff to make presentation selections for XPONENTIAL 2025.

In your detailed presentation abstract, be sure to consider the following elements, which will be used in presentation selection:

- Topic/research proposed is innovative and pertinent to current or upcoming industry interests/needs
- Topic/research highlights significant new accomplishments for the industry
- The proposal would bring value across multiple markets
- The proposal would bring value across domains (air, ground, and/or maritime)

Characters remaining:

Workshop Agenda [REQUIRED]

Provide an agenda of how you will utilize the 90-120 minute time allotment.

Include specific time breakdowns and what will happen during each segment of the workshop.

Workshop Format Overview [REQUIRED]

XPONENTIAL workshops are in-depth opportunities for learners to engage, train, collaborate, and/or immerse themselves in a focused topic area.

Please provide an overview of your proposed workshop session format, outlining **how** you will engage the audience, ie. demonstration, breakout tables, hands-on learning, training, etc.

Workshop Learning Objectives [REQUIRED]

Please provide a bulleted list of 3-5 learning objectives or outcomes for this workshop.

Example:

Attendees will: (start each objective with a verb)

1. Develop
2. Understand....
3. Create...

Proposal Domain [REQUIRED]

Select the domain(s) that are most applicable to your presentation, noting preference will be given to multi-domain content.

- Air
- Ground (includes robotics and automated vehicles)
- Maritime (Surface)
- Maritime (Underwater)
- Space

Topics/Tags [REQUIRED]

Select all the topics/tags that align with your presentation.

You can select up to 15 items.

- Agriculture
- AI/Machine Learning
- Air
- Airspace Integration
- Algorithms
- Automated Vehicles
- Autonomy
- Batteries
- Big Data
- Blockchain
- Bootcamp
- Business
- BVLOS
- Certification
- Cinematography
- Construction/Mining
- Consumer/Hobbyist
- Content/Media
- Counter UxS
- Customer Value
- Cybersecurity
- Defense
- Defense/Security
- Driverless Cars/Trucks/Automated Vehicles
- Edge Computing
- Education/ Training & Operations Safety
- Energy/Power/Utilities/Power Grid
- Environmental
- Ethics
- Expanded UAS Operations
- Geo-spatial
- Government
- Ground
- Healthcare
- Human-Machine Teaming
- Humanitarian
- Industry
- Infrastructure
- Inspections
- LiDAR
- Mapping/Surveying
- Maritime
- Modeling & Simulation
- Natural Resource Management
- Navigation
- Networks
- Noise
- Oil/Gas
- Photography
- Policy
- Power Grid
- Profits
- Property
- Public Acceptance & Trust
- Public Safety
- R & D
- Real Estate
- Remote ID
- Robotics
- Safety
- Security
- Sensors & Payloads
- Software
- Standards
- Swarming
- Telecom
- Test and Evaluation
- Traffic Management
- UAM/AAM
- Virtual Reality
- Warehouse/Delivery/Logistics
- Weather

Implementation

Wireless/5G

Audience [REQUIRED]

Select the target audience for this presentation (select all that apply):

- Analyst
- Assessment/Claims Adjuster
- Business Development/Sales
- C-Level Executive
- Consultant
- Educator/Instructor
- Engineering/Technical
- Government/Policy/Regulatory
- Investment/Finance
- Journalist
- Legal
- Management
- Marketing/Communications
- Remote Pilot/Operator
- Research & Development
- Student
- Trainer

Past Presentation [REQUIRED]

Have you delivered this presentation at another conference or event?

[clear selection](#)

Yes

No

Past Presentation - When / Where? [REQUIRED]

Please provide details of when/where you delivered this presentation previously.

AUVSI Defense [REQUIRED]

AUVSI Defense will be on location at XPONENTIAL 2025. Would you like your presentation to also be considered for this program?

You can get insight into the AUVSI Defense program by clicking [here](#).

Please note that submissions may be considered for other events throughout the year.

[clear selection](#)

Yes

No

Speaker Agreement (REQUIRED)

Please read the below XPONENTIAL 2025 Speaker Agreement. Upon selection, all speakers will be required to complete this form.

XPONENTIAL 2025 ("Event") is a trade event which is co-produced by PFM Events, LLC, a Delaware limited liability company ("PFM") and its alliance partner Messe Düsseldorf North America, Inc. d/b/a Messe Düsseldorf North America ("MDNA"). PFM is a Wholly Owned Entity of the Association for Unmanned Vehicle Systems International d/b/a the Association for Uncrewed Vehicle Systems International ("AUVSI"). Its purpose is to exchange and disseminate information about markets, business opportunities, technological development, research, innovation, applications, education, policies, and other relevant areas, in order to promote and advance the safe, productive, and economically beneficial use of uncrewed vehicle systems.

"Event Management" means PFM, MDNA, AUVSI, and their respective owners, officers, directors, members, agents, affiliates, representatives, employees, successors, and assigns.

If selected, through my participation as a program presenter at the Event, I agree to abide by the terms of this Speaker Agreement.

If presentation is delivered at the Event, I will not engage in any type of promotional marketing or selling of any product or service, unless approved by Event Management. I will not disparage Event Management in any way in connection with my participation as a program presenter at the Event.

If presentation is delivered at the Event, I grant to Event Management a royalty-free, perpetual, irrevocable, transferable license to use, reproduce, publish, modify, and distribute in print, electronically, online, or in any other format, now or hereafter existing, my presentation (including all handouts, digital slide presentations, and all written and electronic materials provided in connection with the presentation) in whole or in part, for commercial or non-commercial purposes, with appropriate attribution to me. Further, I grant Event Management permission to use, reproduce and distribute a summary of my presentation, with appropriate attribution. I understand that this license does not change the fact that I retain copyright ownership of my presentation and does not prohibit me from using my presentation in any way or from allowing others to use it.

I warrant and represent, to the best of my knowledge, that my presentation does not violate any proprietary or personal rights of others (including any copyright, trademark, and privacy rights), is factually accurate, and contains nothing defamatory or otherwise unlawful, and that I have the full authority to enter into this Speaker Agreement and have obtained all necessary permissions or licenses from any individuals or organizations whose material is included or used in my presentation. I agree to indemnify and hold harmless Event Management, its affiliates and sublicensees, and their respective officers, directors, employees, and agents, from any and all breaches of these representations and warranties.

I authorize Event Management to use my name, photograph or likeness, and biographical data in connection with the use and promotion of the program.

If you have any questions, please reach out to education@auvsi.org.

[clear selection](#)

I understand

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