

## **Student Poster Presentation Opportunities at XPONENTIAL 2016**

AUVSI is accepting poster presentation proposals from ungraduated and graduate students for potential presentation at XPONENTIAL 2016 taking place May 2-5 in New Orleans!

Poster presentations will be displayed one day during the event in the Expo Hall. Students will have the opportunity to present their work, engage with attendees and participate in the full conference.

Selected poster presenters will be expected to attend the event, be available with their poster and certain times and **provide a technical paper supporting their presentation** which will be published in the conference proceedings.

We are currently accepting proposals on the following research topics:

### ***Airspace Integration***

Select this track if your proposal focuses on UAS integration research efforts in the U.S. National Airspace System (NAS) as well as international efforts. Proposals covering research activities on safety, sense and avoid, collision avoidance, case studies and related activities of a technical nature should be included in this track. **Proposals addressing non-technical issues including policy and regulation should submitted as a non-technical presentation.**

### ***Unmanned Aircraft Developments***

Select this track if your proposal covers research on UAS platforms, subsystems, operations and capabilities. Topics for consideration include but are not limited to UAS autonomy, power and energy, navigation, sense and avoid technology, platform developments, operations and capabilities developments and related focus areas. **Please note that there are separate tracks for payloads and command, control and communications (C3) topics.**

### ***Ground Robot Developments***

Select this track if your proposal covers research on robotic platforms and related subsystems. Topics for consideration include but are not limited to autonomy, power and energy, sensing and perception, mobility, navigation, etc. **Please note that there are separate tracks for payloads and command, control and communications (C3) topics.**

### ***UUV and USV Developments***

Proposal submissions in the Fundamental Maritime Vehicle track include all technical proposal submissions covering basic research on unmanned maritime underwater and surface platforms and related subsystems. Topics for consideration include but are not limited to autonomy, power and energy, sensing and perception, navigation, etc. **Please note that there are separate tracks for payloads and command, control and communications (C3) topics.**

### ***Human Factors***

Select this track if your proposal addresses human factors, robot interaction and related topics as they apply to unmanned air, ground and maritime systems.

### ***Sensors and Payloads***

Select this track if your proposal covers research on unmanned systems sensors and payload technologies including EO/IR, hyperspectral, radar, CBRNE, cameras, etc. for unmanned systems missions and applications.

### ***Command, Control and Communications***

Select this track if your proposal covers research and developments on C3 and related technologies as they apply to unmanned systems applications and missions. Air, ground and maritime focused topics addressing C3 research should be included here.

### ***Other Unmanned Systems Research***

Select this track for all other unmanned systems research proposals not covered in the tracks above.

## **Submitting a Proposal**

Interested students should contact Katie Cooper at [kcooper@auvsi.org](mailto:kcooper@auvsi.org) for a submission form and more information on the poster presentation process.

## **Proposal Selection Process**

AUVSI staff, as well as the 2016 conference planning committee will review all submissions and make recommendations on proposals to ensure a diverse and informative program. Submitters will be notified of selection in January 2016.

## **The Benefits of Participating**

Student presenters will receive a complimentary All Access pass to attend the FULL event including the Expo Hall, Program Sessions and the Wednesday evening social event.

Presenters will have the opportunity to meet and network with industry representatives and conference attendees to discuss their work.

Papers associated with all poster presentations will be published in the conference proceedings.