

2012 Roadmap for the Channel Islands Chapter Association Unmanned Vehicle Systems International

Objective of the Chapter

The Channel Islands Chapter (CIC) of the Association of Unmanned Vehicle Systems International (AUVSI) represents the linkage between education and technology within the Southern California tri-counties area (Ventura, Santa Barbara, and San Luis Obispo). The CIC AUVSI is a nonprofit organization incorporated under the laws of the State of California. The Chapter is chartered by AUVSI for the purpose of these goals:

- 1) Provide a place and forum for learning, developing systems, and testing tactics and technologies in an effort to encourage the advancement of unmanned systems;
- 2) Establish, promote and maintain an air, land, and aquatic unmanned system test location in order to provide space and capabilities for research, development, test, evaluation, and certification of technologies involved in unmanned systems;
- 3) Develop lasting partnerships and synergistic relationships in order to understand, promote and publicize the benefits and capabilities offered by unmanned systems and technologies;
- 4) Develop a network of public and private businesses able to employ and further develop unmanned technology, as well as provide a wider use of this technology;
- 5) Provide a roadmap for the chapters' focus. This roadmap will be reviewed and updated annually.

This roadmap has been developed to establish definition to chapter direction. It is intended to provide the membership with insight into chapter expectations, events, and opportunities.

Chapter Execution

In support of providing an arena for Developing partnerships and synergistic relationships the chapter will meet monthly with the expectation of sharing information about the unmanned systems community. Whenever possible the chapter will participate in events that further the advancement of this chapter, either regionally or nationally. Speakers will be arranged on topics related to industry, education and academia. Two times a year, in place of the meeting, a social gathering will be held for open discussions between members.

Chapter Focus

The Channel Islands Chapter is designed to be a forum to discuss developing systems, and testing tactics and technologies. It provides space and capabilities for research, development, test, evaluation, and certification of technologies involved in unmanned systems. Specific areas of interest to the chapter include:

- 1) Civil / Emergency Services Support - fire, flood, riots, earthquake
- 2) Agricultural Applications – crop monitoring, harvesting, processing
- 3) Air / Surface / Sub-surface teaming opportunities

Chapter Activities

The chapter will establish, promote and maintain an air, land, and aquatic unmanned system test location in order to provide space and capabilities for research, development, test, evaluation, and certification of technologies involved in unmanned systems

Outreach

As advocates of unmanned systems the chapter will initiate outreach efforts in the tri-counties community to educate and promote application and utilization of the various technologies. Department of Defense locations to be contacted will include; Pt. Mugu – Naval Base Ventura County and Naval Air Warfare Center Weapons Division, Port Hueneme – Naval Sea System Command, Ventura Air National Guard, Vandenberg Air Force Base, Camp Roberts and possible extension to Naval Post Graduate School. Educational institutions will include: California State University Channel Islands (CSUCI), Oxnard College, Ventura College, Moorpark College University of California Santa Barbara, California Polytechnic State University San Luis Obispo, and other local Junior Colleges, high schools, and elementary schools.

Industrial contacts will include: AeroVironment, AeroMech, and other Ventura County, Santa Barbara County, and San Luis Obispo County contractors affiliated with unmanned systems. Communications will also be established with local civil agencies. These include but are not limited to: Police, Sheriff, Fire, United States Coast Guard, Harbor Patrol, National Park Service, Department of Fish and Game, Emergency services, Search and Rescue, and Department of Motor Vehicles.

In addition to these communities attempts will be made to engage other commercial areas including: Farming, Surveying, Petroleum, and Real estate. To assist in unmanned systems advocacy efforts will be made to engage politicians through local offices, California offices, the US House or Representatives and the US Congress.

Tours

Learning opportunities will be provided three (3) times a year through chapter tours. Tours are expected to be held on average once a quarter. Tours will typically include one military installation, one industrial installation and one educational institution.

Events

Chapter events are yet to be matured. Consideration has been given to sponsoring student competitions, establishing a local conference related to unmanned systems, providing speakers to local and national events, and performing a congressional luncheon to facilitate communications between our local representatives and the unmanned community. Initial efforts will be directed towards supporting the Association of Old Crows annual Electronic Warfare conference here in Ventura County. The Chapters involvement will focus on the application of unmanned systems in the EW arena. If this effort is successful it may be continued in future years or alternative events may be planned.

Chapter Committees

CIC has considered the following four (4) committees be established to support the items discussed above. Committees will be responsible for reporting back their activities to the chapter. The first committees would be the speakers committee, consisting of three to five (3-5) people. This committee would have the responsibility for contacting and coordinating the speakers for each chapter meeting. The second committee would be the tours committee, consisting of three to five (3-5) people. This committee would work with the military, industry and educational organizations to plan, schedule and coordinate chapter tours. The third committee would be the outreach committee, again consisting of three to five (3-5) people. The outreach committee would be responsible for contacting the various tri-county communities, providing them insight into unmanned systems equipment and technologies and assisting in matching needs to suppliers. Lastly would be the events committee consisting of five to seven (5-7) people. This committee will be responsible for identifying, planning, coordinating and executing all events to be hosted by the chapter. For these committees to be established and productive greater involvement and attendance will be required by the CIC membership.

Other Potential Opportunities

Beyond the focus and activities identified above other opportunities may be available to the CIC of AUVSI. Possible areas of activity include:

- 1) Utilization of the CSUCI super computer for unmanned system simulations, autonomous competitions, data storage, chapter communication hub, or other software or computer oriented activities.
- 2) Establishing a Disaster Relief Demonstration providing the resources required to transport food, water, medicine, or other critical material under emergency conditions.

- 3) Provide a conduit for interested parties to establish agreements on combined unmanned systems activities.
- 4) Establish fundraisers for the chapter, or in association with other non-profit organization consisting of rock concerts, dinner parties, movie night or other possible venues.

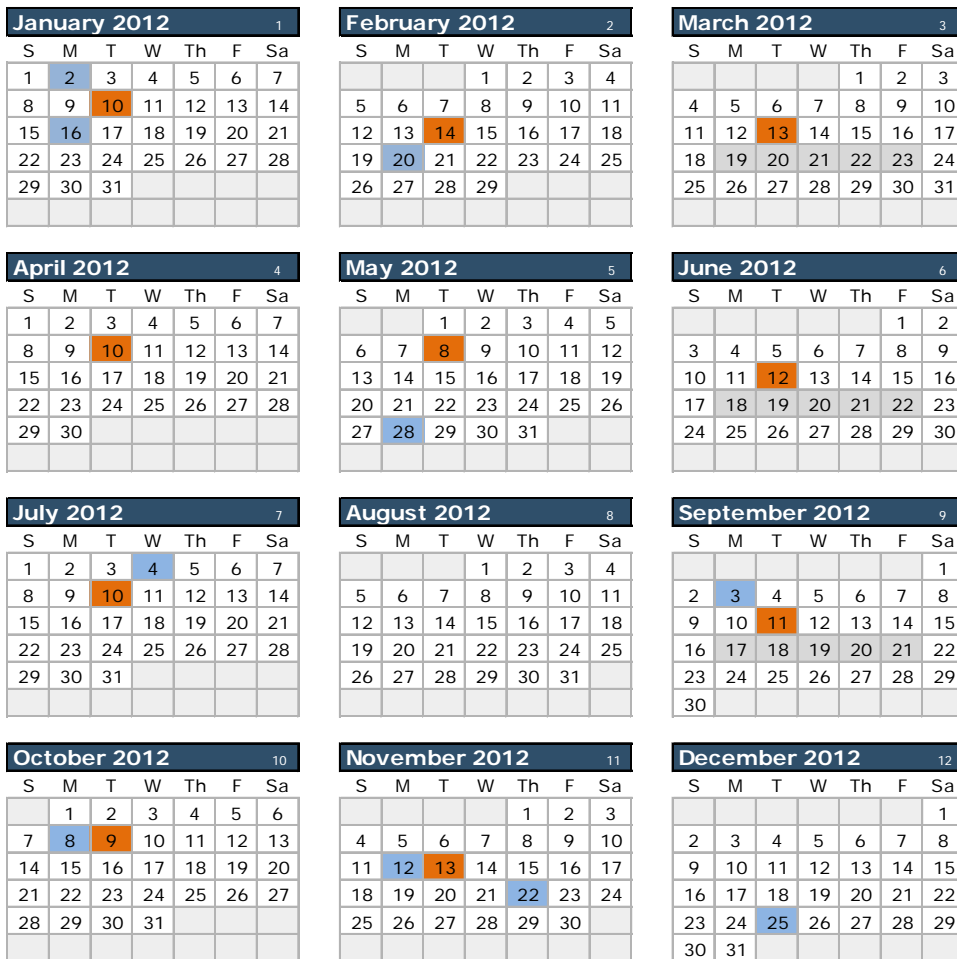
Chapter Execution Schedule

Over the next five year the chapter will work to increase its level of activity in the following ways. In the first year the chapter will identify its intended activities in relationship to the focus areas. Within the first three years the chapter will initiate an annual conference associated with an identified focus area. Within the first five years the chapter will initiate a unmanned tri-county competition associated with one of the identified focus areas.

Expected schedule of events for 2012 is provided below.

Yearly Calendar

January 2012 - December 2012



Meeting Days

Tour Windows

Holidays