

GIANT TRAINING (December 2023)

The GIANT Sustainment team is pleased to announce training classes the week of 04 December 2023. Training will be offered for GIANT 5.7 in-person in Colorado Springs, Colorado. **There is no fee to attend the GIANT Training, however space is limited.** This class is open to government and contractor personnel, with appropriate 'need to know'.

Monday and Tuesday, 04-05 December 2023 (0800 to 1600 MST): Analytical Training

This class focuses on engineering and analysis applications of GIANT. The training covers the process of creating scenarios, modifying user equipment, space segment, and GPS Jammer definitions. This is a two-day training session with hands on exercises led by senior analysts and engineers from the GIANT program.

Wednesday, 06 December 2023 (0800 to 1600 MST): Advanced Training - CRPA Antenna Applications

This course introduces The Aerospace Corporation's Adaptive Nulling Effects for Scenarios (ANEFS) model and its use within GIANT. The file formats used to define a CRPA antenna will be described in detail. Legacy and Space Time Adaptive Processing (STAP) configurations will be described and demonstrated. The students will use this information to create new CRPA antennas and evaluate their performance in varying threat environments. Methods to automate the configuration and execution of run matrices will be addressed. This is a one-day training session, with extensive hands-on exercises led by senior analysts and engineers from the GIANT program.

Friday, 08 December 2023 (0800 to 1300 MST): GIANT Simulation API Training

The GIANT Simulation API can be utilized by programmers and software engineers to incorporate the GIANT Simulation Engine capabilities into their own applications. In this course, students will learn to integrate the Simulation API into a new program developed by students throughout the course. Through the development of this application, students will leverage the API's functions to perform operations such as coordinate transformations, instantiate the signal and terrain environment to be used in scenarios, as well as create and load GIANT platform models such as transmitters and receivers. Once the scenario is constructed, users will then be able to control the processing of simulation time and extract signal and navigation performance metrics. The class will be taught on training room hardware in Visual Studio 2019 using Python 3.7. Prerequisites for this course include the following: GIANT Analytical Training and basic knowledge of programming concepts.

How to Register:

GIANT training registration is now available through the GIANT website. Please visit the GIANT website at www.giantsw.com to complete and submit all registration forms.



GIANT

GPS INTERFERENCE AND NAVIGATION TOOL



Registration for this training session will close on 13 November 2023.

Note that all requests for training must be approved by the Model manager. As your request for training is approved, you will receive an E-Mail confirmation of enrollment for the requested class, which will include instructions on submitting required visit request (VAR) to Lockheed Martin with your local security office, and necessary paperwork. Additional information will be included in the confirmation E-mail (i.e. maps, places of lodging close to the training facility, point of contacts/numbers).

If you do not receive a confirmation E-Mail or response to being placed on a waitlist, please contact the GIANT sustainment team directly at giant@linquest.com (937) 306.6076.

For additional information see: <http://www.giantsw.com>.

Respectfully,

//Signed//

Ryan Thompson, 1st Lt, USAF
SSC/CGG, GIANT Model Manager

//Signed//

Geneva Amaya, LinQuest
GIANT Development Team