



**SEPTEMBER 9-10<sup>TH</sup>**  
**LOGICORE CONFERENCE FACILITY**

**SHORT COURSE TICKETS**  
\$25 for one or \$40 for both

**SHORT COURSES ON SUNDAY, SEPTEMBER 8<sup>TH</sup>**



**AERIAL PHOTOGRAPHY AND MAPPING WITH A SMALL UNMANNED AERIAL SYSTEM**

Casey Calamaio, Research Engineer, RSESC, UAH

8:00 am - 12:00 pm

This course is designed to introduce the elements of mapping with an unmanned aerial vehicle (UAS).

- Remote Sensing, Geographic Information Systems, and Photogrammetry



- Explore areas where sUAS have been deployed as a mapping tool
- Process aerial imagery and understand the use of 3D models, elevation maps, and geographically accurate imagery mosaics
- Conduct safe flight operations with important aerial photography considerations in mind to collect the quality information; the “when, where, and how to fly”

**SYMPOSIUM TICKETS**

Two-day Tickets

**\$55 AIAA Members**

**\$65 Non-Members**

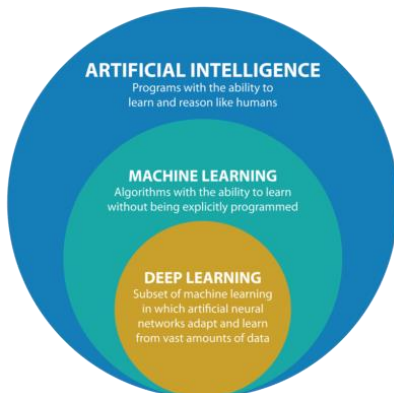
One-day Ticket

**\$30 AIAA Members**

**\$35 Non-Members**

**ADMISSION INCLUDES**

- **Technical Sessions (Fly It, Build It, Code It, Teach It)**
- **Keynote Speeches from Accomplished Leaders**
- **Speed mentoring session with Greater Huntsville Area Leaders**
- **Technical Panel Discussion on Hypersonics**
- **Soft Skills Workshop on “Giving Better Feedback” by Kristin Scroggins**
- **Monday and Tuesday Breakfast & Lunch**
- **Opening Reception at Innerspace Brewery on September 9<sup>th</sup>**
- **Closing Reception with Von Braun Symposium on September 10<sup>th</sup>**



**INTRODUCTION TO ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

J. Langley, CTO, CohesionForce Inc.

1:00 pm - 5:00 pm

Starting with a breakdown of the domains that exist in Artificial Intelligence, we will walk through a brief history of the work, learn by

example some applications of machine learning, and build a few deep neural networks to solve a few problems. We will close with a discussion of current events and Q&A.

[www.aiaanextgen.org](http://www.aiaanextgen.org)

Follow us @aianextgentech



**MOOG**

