



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND – AVIATION & MISSILE CENTER

Tool Expo for Model Based Embedded Systems Development

Alex Boydston

Joint Multi Role (JMR) Mission Systems Architecture Demonstration (MSAD) Project

Aviation Development Directorate

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Deliver collaborative and innovative aviation and missile capabilities for responsive and cost-effective research, development and life cycle engineering solutions.



~9,553
FY18 Strength



2,943
Civilian

23
Military

6,587
Contractor

Core Competencies

- Life Cycle Engineering
- Research, Technology Development and Demonstration
- Design and Modification
- Software Engineering
- Systems Integration
- Test and Evaluation
- Qualification
- Aerodynamics/ Aeromechanics
- Structures
- Propulsion
- Guidance/Navigation
- Autonomy and Teaming
- Radio Frequency (RF) Technology
- Fire Control Radar Technology
- Image Processing
- Models and Simulation
- Cyber Security

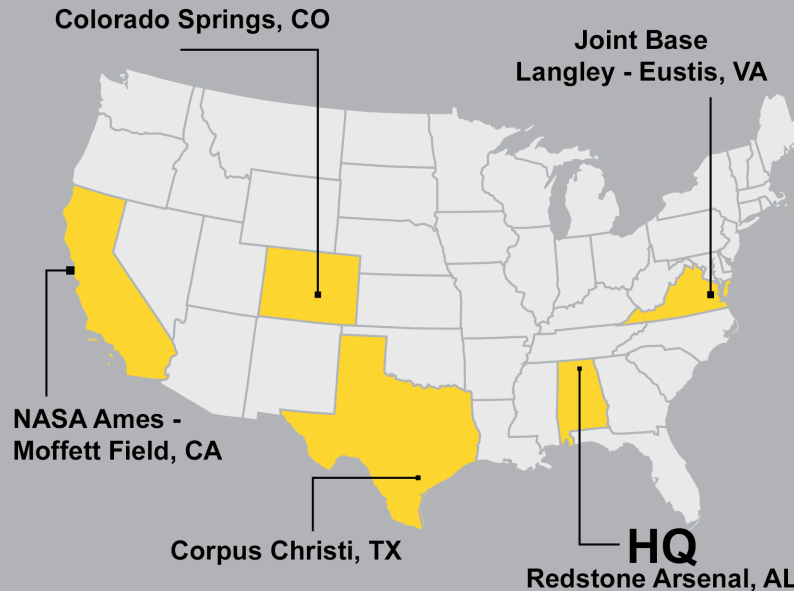
FY18 Funding
\$3.4B

7%
Aviation S&T

8%
Missile S&T

58%
Army

27%
Other





#1: Readiness

Provide aviation and missile systems solutions to ensure victory on the battlefield today.



#2: Future Force

Develop and mature Science and Technology to provide technical capability to our Army's (and nation's) aviation and missile systems.



#3: Soldiers and People

Develop the engineering talent to support both Science and Technology and the aviation and missile materiel enterprise





AGENDA FOR THE TOOL EXPOSITION



- 0755-0800
- 0800-0820
- 0820-0830

Welcome and Announcements
Keynote Address
SBIR Contributions

Alex Boydston
Layne Merritt
Dawn Gratz

- 0830-0845
- 0845-0900
- 0900-0915
- 0915-0930
- 0930-0945
- 0945-1000

AADL / ACVIP Overview
Software Engineering Institute (SEI)
Ellidiss
ANSYS
Adventium Labs
Kansas State University

Alex Boydston
Peter Feiler
Pierre Dissaux
Gui Goretkin
Steve Vestal
John Hatcliff

- 1000-1030

Break

- 1030-1045
- 1045-1100
- 1100-1115
- 1115-1130
- 1130-1145
- 1145-1200
- 1200-1215
- 1215-1230

BLESS
University of Alabama in Huntsville
Georgia Tech
WW Technology Group (WWTG)
Integrated Defense Technologies (IDT)
Physical Optics Corporation (POC)
Telecom Paristech
ISAE-SUPARO

Brian Larson
Philip Alldredge
Eric Ferron
Richard LeBoeuf / Chris Walter
Shawn Kline / John Hudak
Prachee Sharma / Juan Gutierrez
Dominique Blouin / Etienne Borde
Jerome Hugues

- 1230-1400

Lunch and Tool Demo Table Setup

- 1400-1800

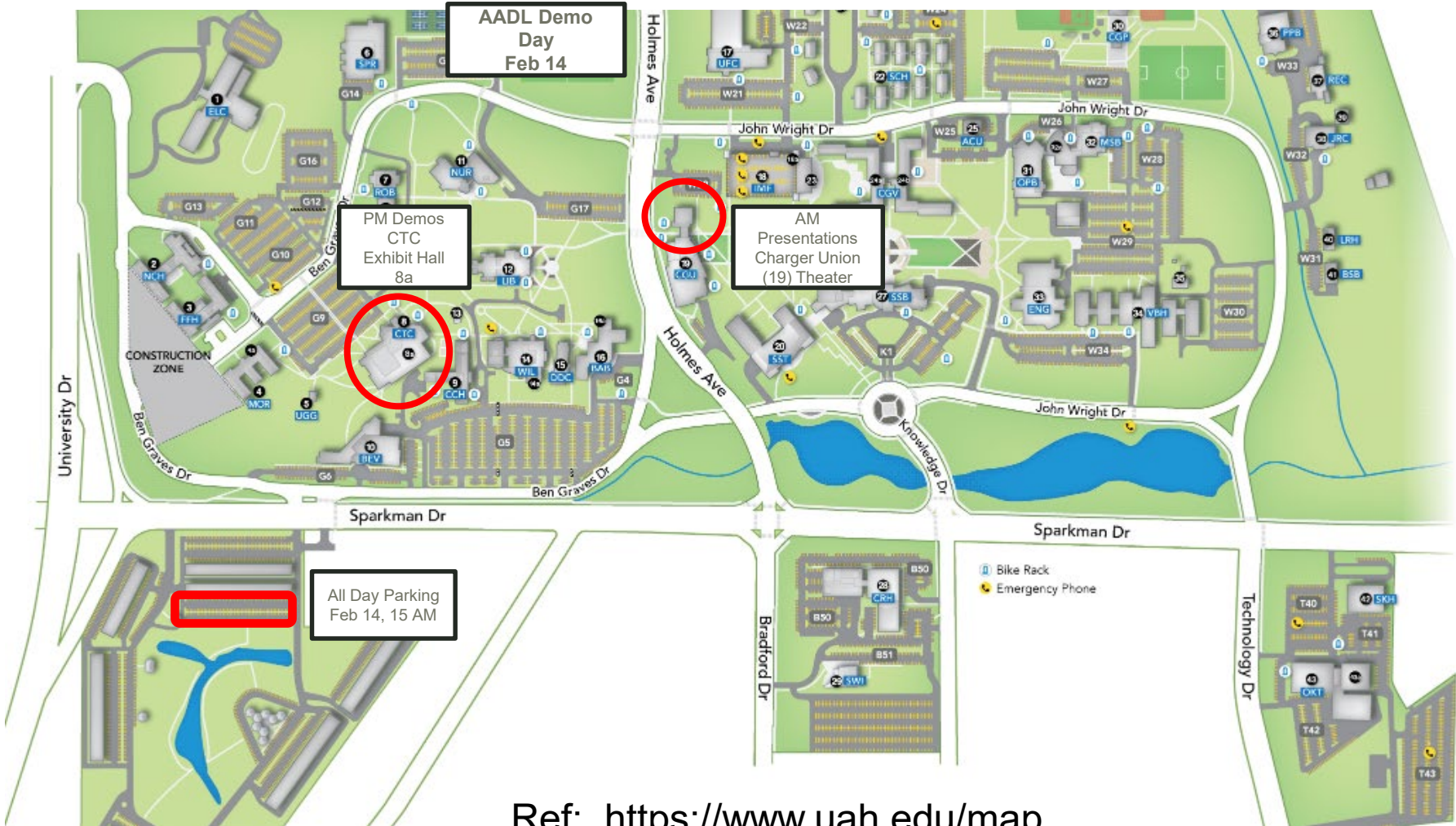
Visit Tool Demonstration Tables

Trade Show, Exhibit Hall (Bldg 8a)

PLEASE RESERVE QUESTION & ANSWERS TO AFTERNOON DEMO SESSION



MAP OF CAMPUS



Ref: <https://www.uah.edu/map>