

Soar Technology Company Update 2016



SOARTECH

Modeling human reasoning.
Enhancing human performance.

Soar Technology, Inc.

- Spinoff of University of Michigan AI Lab (Soar Group)
- R&D in Wide Array of Cognitive and Social Architecture Technologies

Market Segments



Focus Areas

- Full spectrum behavior models
- Individually varied training & assessment
- Mobile training
- Human-Robot Interfaces
- Situational Awareness
- Cognitive Control for Autonomous Platforms
- Autonomous Cyberspace Capabilities
- Cyberspace Workforce Development
- Cyberspace C2 & Analytics

Technology Applications

- TAIS (Army)
- SSIEGE (Army)
- FLUENT (ADL)
- SSIM (DARPA)
- LVC, UASSIST (ONR)
- RedSpinUp (AFRL)
- Helping our Heroes (OSD)
- VESIP (Dept. of Ed)
- SquadMate (DARPA)
- CODE (DARPA)
- Daisy (DoT)
- TALOS (SOCOM)
- SUMET (ONR)
- SAPIENT (CERDEC)
- SID (multiple)
- MAGIC (IRAD)
- SC2RAM (ONR)
- CYSTINE (AFRL)
- Cyber-Physical Security (DARPA)
- COLD KNIFE (SPAWAR)
- Applied Research & Experimentation Partner (ARL Cyber CTA)

SoarTech Offices and Staff



Col Scott Lathrop, Ph.D

Director of Secure Autonomy

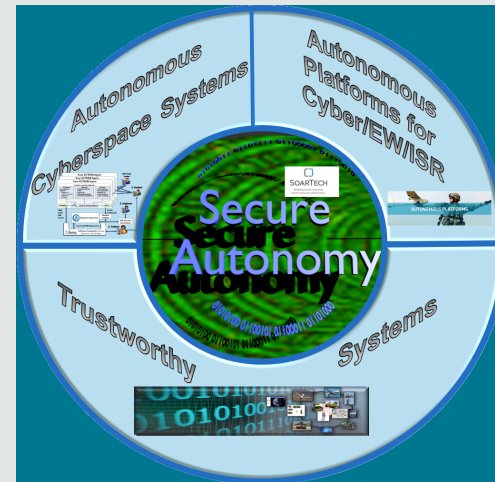
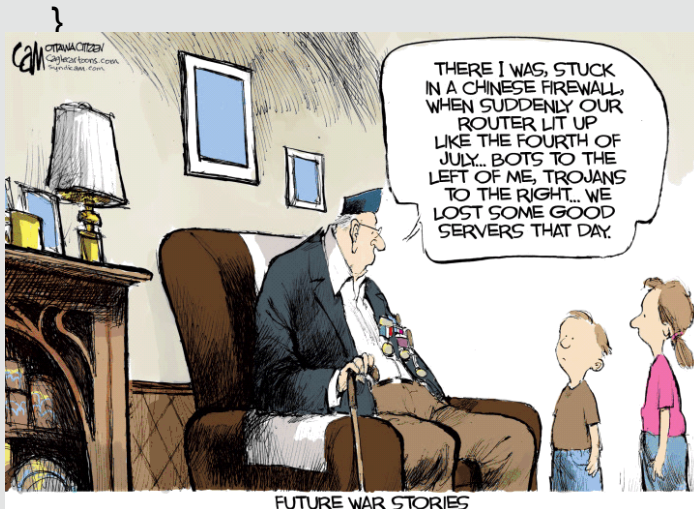
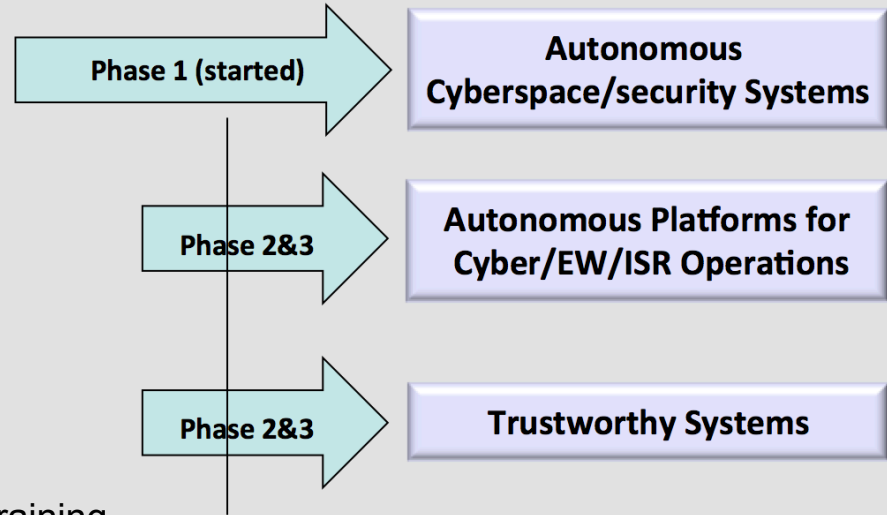
```

sp {propose*secure-autonomy
  (state <s> ^superstate nil
    ^intelligent-training <it>
    ^unmanned-platform <up>
    ^cyber <c>
    ^decision-support <ds>)
  
```

-->

```

(<s> ^operator <op> + )
(<op> ^name secure-autonomy
  ^strategic-vision <sv>
  ^supporting <it> <up> <c> <ds>)
(<sv> ^autonomous-cyber operations training
  ^autonomous-platforms cyber ew isr
  ^trustworthy-systems bounded explainable fail-safe resilient)
  
```



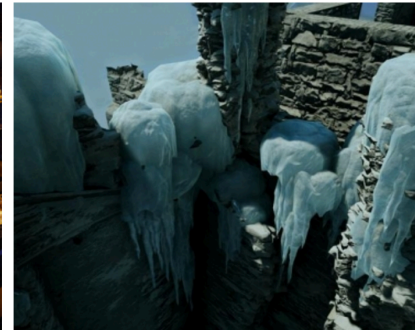
Partnership with Epic Games

“SoarTech’s long history of success in Government and military research and development makes them uniquely suited to support the application of the UE4 in this market sector.”

Joe Kreiner, Unreal Engine licensing manager for the Americas



SOARTECH AND EPIC GAMES ANNOUNCE OFFICIAL PARTNERSHIP FOR GOVERNMENT AND MILITARY APPLICATIONS



Stay tuned...



Contributions to the Soar community

- **SoarIDE**

- Continuing active development and support of the SoarIDE
- See Bob Marinier's talk later today

- **jSoar**

- jSoar 0.14.3 released this morning
- See Bob Marinier's talk this morning

Nuggets and Coal

- Nuggets

- AI is hot right now and cognitive is a buzzword



Credit: Larry Busacca/Getty Images

Fashion / Marchesa

How do you make a cognitive dress?
Find out now.

Cognitive retail

Cognitive veterans

Cognitive growth

Cognitive health

Shop Cognitive

Cognitive insurance

Cognitive wearables

Cognitive cycles

Cognitive hospitality

Cognitive law

Cognitive finance

Nuggets and Coal

- **Nuggets**

- AI is hot right now and cognitive is a buzzword
- Surge in our normal business
- Multiple exciting opportunities above and beyond our normal business
- Growth and the smart, fun new co-workers that comes with growth
- Growing list of Government organizations and contractors using Soar

- **Coal**

- Finding great people is our single biggest constraint