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

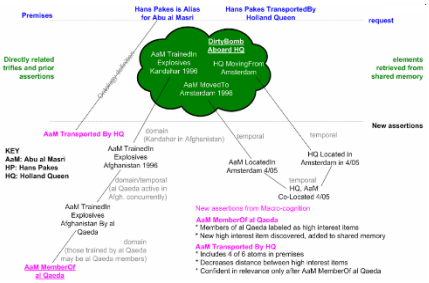
Market Segments	{MORE PREPARED.}	{MORE CAPABLE.}	{MORE INFORMED.}
Focus Areas	• Full spectrum behavior models • Individually varied training • Mobile training	• Human-Robot Interfaces • Mixed Initiative Control • Control for Autonomous Platforms	• Cyber Security • C4ISR • Life Space Health Care
Technology Applications	• SSIM (DARPA) • PerceptTS (ONR) • LVC, UASSIST (ONR) • RedSpinUp (AFRL) • Helping our Heroes (OSD) • VESIP (Dept. of Ed)	• SUMET (ONR) • LUCID (NAVAIR) • SAPIENT (CERDEC) • SID (multiple) • CODE (DARPA) • MAGIC (IRAD)	• PRELIM (ONR) • RIPCORD (DARPA) • Doolittle (DARPA) • CogFusion (OSD/AFRL) • ANSER (ONR) • ACIP (DARPA)

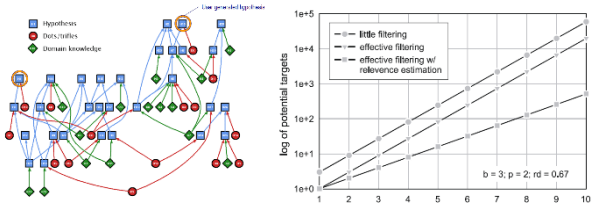
Enhancing × Technology Innovation

	Intelligent Training	Unmanned Platforms	Decision Support
Autonomy	Full Spectrum Behavior Models	UAVs, UGVs, UUVs…	Forecasting, Anticipation
Adaptation	Individualized Training	Episodic Memory & Situated Instruction	Individualized & Crowd Sourced Insights
Human / System Interface	Game-based Training & Distributed Learning	Multi-Modal Human/Robot Interaction	Life Space Agent Interaction

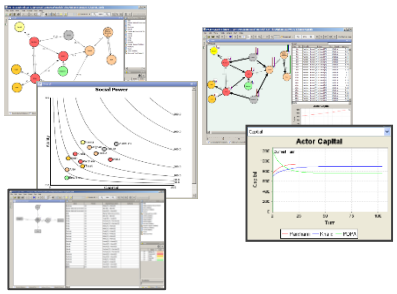
Human-computer symbiosis: providing intelligent assistance to human reasoning and mediation of human-computer interaction

Research Areas

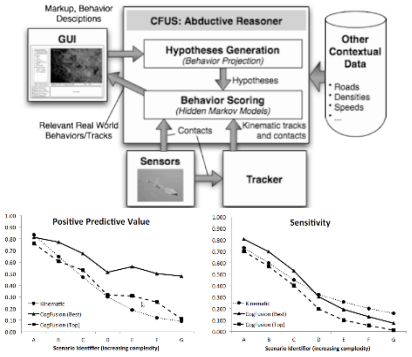




Evidence Marshalling and Relevance Estimation



Socio-Political Modeling



Abductive Reasoning

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