

OVERVIEW OF CALO EXPRESS

The mission of the DARPA Personalized Assistant that Learns (PAL) program is to radically improve the way that computers support humans by developing systems that are cognitive. These systems can reason, learn from experience, be told what to do, explain their actions, and respond robustly to surprise.

CALO, a prototype cognitive system developed as part of the PAL program, serves as an office assistant that helps information workers be more organized and more productive in their daily activities.

CALO offers these high-level functions:

- Organizes and prioritizes information
- Prepares new information products
- Mediates interpersonal communications
- Automates complex tasks
- Acquires new resources
- Schedules and manages time

CALO Express is an effort to progressively productize functionality from the CALO System, integrating CALO functionality into your existing Microsoft-based environment. CALO Express is currently in use with selected users in the DARPA Information Systems Processing Office (IPTO). PAL learning technologies, particularly those being developed for the CALO Express application suite, are targeted for transition to Next Generation Block 1 of the Navy Marine Corps Intranet (NMCI), which provides the Department of the Navy with a full range of network-based information services on a single, enterprise-wide intranet.

CALO EXPRESS INCLUDES THESE CAPABILITIES:

◎ CALO PREP PAK

Locates the information you need to prepare for a meeting

◎ CALO TASK ASSISTANT

Learns and automates repetitive tasks

◎ CALO NEWS ASSISTANT

Discovers, organizes, and prioritizes your news articles and RSS feeds

◎ CALO MEETING ASSISTANT

Captures and extracts important information from your meetings

◎ CALO SEARCH ASSISTANT

Quickly finds content and answers

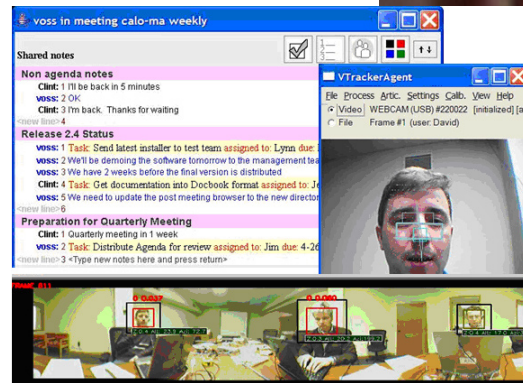
◎ CALO DOCUMENT ASSISTANT

Helps you create and edit documents

CALO MEETING ASSISTANT

Captures and extracts important information from your meetings

CALO interprets conversations and activities to track topics, detect decisions, recognize commitments, and produce and distribute annotated meeting transcripts. CALO improves its performance over time by learning a team's style of interaction, as well as common topics and special jargon.



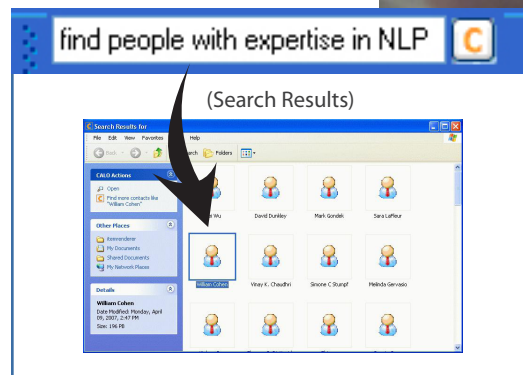
CALO SEARCH ASSISTANT

Quickly finds content and answers

Commercial search engines always return the same results. CALO's search results improve over time, as CALO learns what information is most relevant to you.

In addition to standard keyword search, CALO can also help you find answers to questions expressed in your own words.

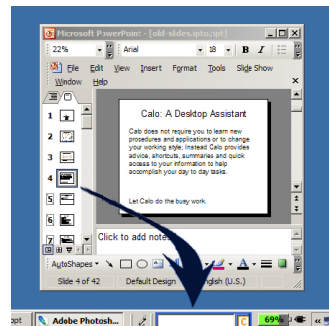
If CALO can't answer the question itself, it will find someone who can, based on learning about your social network.



CALO DOCUMENT ASSISTANT

Helps you create and edit documents

CALO can help you create a new presentation or extend an existing one by making relevant content (others slides and presentations) more accessible. Drag a slide and ask CALO to find other versions of it, or ask CALO to prepare a new presentation meeting your requirements. CALO learns about content and structure from presentations you've created in the past.



s based on the idea of adaptive learning. Today it's the
y needed to make more useful, richer systems is a change
ds to adapt to the environment, especially to its user's
e to learn in the wild."



Minimum System Requirements

- PC with 500 megahertz or higher
- 512 megabytes RAM or higher
- 1.5 gigabytes available disk space
- Windows XP
- Microsoft Office 2003

For more information about CALO Express

Email: calo-express@calo.sri.com



POINTS OF CONTACT

DARPA Program Manager

Dave Gunning: dgunning@darpa.mil
(571) 218-4510

CALO Principal Investigators

Bill Mark: william.mark@sri.com
Ray Perrault: perrault@sri.com