



# Leveraging Faceted Search for Project, People, and Socio-Collaborative Experience Discovery

Dr. Donna Cuomo, Krista Kennedy Groenwoldt & Jean Colbert

**The MITRE Corporation**

**Enterprise Search Summit** November 2010

# Overview

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- **Introduce you to MITRE's overall information landscape**
- **Explain why we implemented faceted search**
- **Describe the process changes we are making in order to enhance the data**
- **Demonstrate how we are using faceted search to improve enterprise information relationship discovery**

# The MITRE Corporation

- MITRE is a private, not-for-profit organization chartered to work in the public interest
- Founded in 1958 to provide engineering and technical services to the U.S. Air Force
- Manages Federally Funded Research and Development Centers including:
  - Department of Defense
  - Federal Aviation Administration
  - Internal Revenue Service/Department of Veterans Affairs
  - Department of Homeland Security
- Supports a broad and diverse set of sponsors within the U.S. government, as well as internationally



**7,000 employees worldwide**



# Background

**NN/g**  
**2010 Best Intranets Award**



# Background

MITRE Home | FastDump | Phonebook | Search | IRS | Index | Help

General | Expertise | Email Lists | TEMs | onomi Bookmarks | AskIT Solutions | Advanced Search

MII Google<sup>™</sup> Search the MII for ...  
social networking [Search]

Searched for social networking Results 1 - 10 of about 52000. Search took 0.49 seconds.

**Social Networking at MITRE** [FastJump](#)  
sites/MIP\_Inv\_Area\_Social\_Networking/default.aspx

**Social Media & Social Networking - MITREpedia**  
Social Media & Social Networking. From MITREpedia. Jump to: navigation, search. Currently 0/5. (0). ... Social Media & Social Networking tags. ...  
/Social\_Media\_&\_Social\_Networking - 36k - [Cached](#)

**6 Degrees - MITREpedia**  
... Social Networking for the Enterprise. Challenge Area Leader. ... 6° is a social networking framework based on Dashboard and other existing corporate applications. ...  
/6\_Degrees - 50k - [Cached](#)  
[ [More results from mitrepedia.mitre.org/index.php](#) ]

**Label: social-networks - MI-MARC - E542 Confluence**  
... Golbeck 1 IMPLUS: "Combining Provenance with Trust in Social Networks for Semantic Web Content Filtering" golbecksocialnetworks.pdf Jennifer Golbeck Proceedings ...  
label/MIMARC/social-networks - 15k - [Cached](#)

**Systems Engineering News Update**  
SENU's New Look, and New Web Portal. The Systems Engineering News Update (SENU) has a new look and feel to go with the new name of ...  
email\_news/ - 4k - 2010-02-18 - [Cached](#)

[ docx ] **Social Networking and IA on AFNet**  
... When Air Force personnel use Web 2.0 social networking (W2SN) applications such as Twitter and Facebook, they expose themselves and their organization to three ...  
sites/networking\_team/Shared%20Documents/Social%20Networking%20and%20IA%20on%20AFNet.docx - 2010-10-13 - [Text Version](#) - [Browse This Community](#)

[ docx ] **Social Networking Risks**  
**Social Networking Risks.** Technical. One characteristic that makes Facebook so attractive to users is the wealth of features available to its members. ...  
sites/networking\_team/Shared%20Documents/Social%20Networking%20Risks.docx - 2010-09-15 - [Text Version](#) - [Browse This Community](#)  
[ [More results from communityshare.mitre.org/sites/networking\\_team/Shared%20Documents](#) ]

MITRE Home | FastDump | Phonebook | Search | IRS | Index | Help

Sorted by Relevance [Sort by date](#)

Projects

- SOCIAL NETWKG  
RESERV  
Michal, SW App Dev Eng, Dir

TEM Events

**C2C Joint Lecture Series - Social Networking, Web 2.0 and Other ...**

**Keys to Successful IPTs**

MITRE Home | FastDump | Phonebook | Search | IRS | Index | Help

MII Google<sup>™</sup> expertise Search  
soa [Search]

Sources:  All  Documents and Web Pages  E-Mail Lists

General | Expertise | Lists

Searched for soa. 314 results from 162 people in 11.2457 seconds.

Normal view [Expand all](#) [Unattributed results](#) [Search details](#) [Organizations](#)

- Information Management Sr

**Stefan Tilkov: 10 Principles of SOA**  
random thoughts on SOA but most interesting is #7 Loosely coupled loosely coupled, recommended, soa  
21 items total  
http://.../onomi/url.php?url=79035&view=showComments - 2009-05-12 - [Cached](#)

**SOA Characterization Framework - MITREpedia**  
scf = SOA Characterization Framework framework, recommended, scf, soa  
http://.../onomi/url.php?url=79031&view=showComments - 2009-05-12 - [Cached](#)

**Public Wiki for the Practical Guide for Federal SOA**  
An example of multiple federal agencies coordinating on a shared topic (SOA) using a wiki recommended, soa, social networking, wiki  
http://.../onomi/url.php?url=79037&view=showComments - 2009-05-12 - [Cached](#)

[ [Show all 21 results for this person](#) ] [ [\\_in another window](#) ]

- Information Management Lead

**The Cloud-SOA Connection**  
... The Cloud-SOA Connection ... In SOA, enterprises use integrated application services in a more lightweight fashion than traditional application platforms. ...  
9 items total  
http://.../sites/innovation\_harvesting/cloudcomputing/Shared%20Documents/CIO.com\_The%20Cloud-SOA%20Connection\_10Feb2009

**FW: Implementing Successful SOA Pilot Programs**  
FW: Implementing Successful SOA Pilot Programs. This SOA webinar Mar 21st at 1:00 PM may be of interest to Fred Zapp and others. ...  
http://...:8080/listsearch/browse/cit-arch-council/2006-03/130/message.html - 2006-03-07 - [Cached](#) - [Browse This List](#)

**BPM Design Guidelines for a Request-Driven SOA vs. an Event-Driven ...**  
... be executed. anticipatory knowledge delivery tip, bpm, event-driven soa, fes, frontier exploration services, request-driven soa

# Projects, Communities, People, Networks...



## Projects

What projects are like mine?

What is our research program?

Who in the directs can I transition this to?

What recommendations did we make?

What sponsor is this work for?



## Communities

What communities of practice exist?

Who is in them?

Did my new hire join the right groups?

Which ones are active? Is a discussion occurring that I care about?



## People

What expertise do they have?

What technical accomplishments did someone have this year?

Who speaks Chinese?



## Networks

Who do we know at Google?

Can we pull some experts together to work on problem X?

I want to leverage knowledge from other FFRDCs.

How do I work with my partners?



**MITRE  
Person**



# Answers – Improved Information Finding

## Projects

Goals, Activities, Impacts, Customer, End Users, Budget, Portfolio, Technology, Outcomes, Recommendations, Products, Metrics

## Communities

Owners, Subject taxonomy terms, TAT terms, Type, Activity Metrics, Date, Center, Division, Status

## People

Tech Stature, Education, Publications, Open Source, Awards, Patents, Languages, Handshake Profile Data



The screenshot displays the 'Answers' platform interface, showing search results for 'People'. The interface includes a navigation bar with 'Home', 'All', 'Projects', and 'Communities'. The main content area shows a list of search results for 'People' with filters for 'Type', 'Center', 'Job Title', 'Level', 'Location', 'Degree', 'Major', 'Educational Institution', 'Professional Society', and 'Foreign Languages'. The results are displayed in a table format, with columns for 'Summary', 'Table', and 'Chart'. The 'Summary' column shows the name of the person, their title, and their affiliation. The 'Table' column shows the number of results for each person. The 'Chart' column shows a bar chart representing the distribution of results across different categories. The interface also includes a search bar, a 'Refine results by' section, and a 'Groups of Similar People' section.

Leverages the Endeca Information Discovery Platform

Common Data Model, Structured Data, Entity Extraction, Clustering, Analytics

# Strategy

- **Better capture and describe key “business assets”**
  - What is the view of our technical work program?
    - What has our technical work program accomplished?
  - What is the view of our technical staff?
    - What has our technical staff accomplished?
- **Identify where we have information but it is not in re-usable form**
  - Restructure business systems and processes to collect this information and make it accessible, do not recollect
- **Put the information into a discovery system**
- **Deploy a social networking platform for partner networking, profile management, and social graphs/relationship capture**
  - Internal and partner (external) social business networking
  - Improved situational awareness to motivate collection
- **Integrate these new elements into existing and planned intranet and partnership network capabilities**



# Finding Projects



# Conceptual "As Is" Process



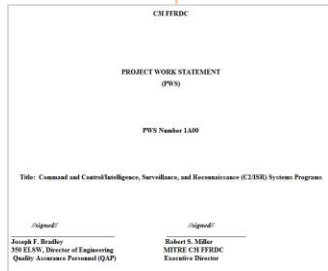
C3I Validity Files  
(all projects entered into O\*F)

**Customer Agreements  
(Projects/LOE):**

**Project Leader**



**Prepares SOW,  
budget, staff plan**



**Air Force Project Work Statements**

- To VIEW an HTML version of the PWS, click directly on the project number desired.
- To DOWNLOAD a Microsoft Word version of the PWS, click the icon to the left of the PWS desired.
- [Project 1A00](#)
  - [Project 6A00](#)
  - [Project 6U00](#)
  - [Project 1N00](#)
  - [Project 6B00](#)
  - [Project 6V00](#)
  - [Project 2A00](#)
  - [Project 6C00](#)
  - [Project 6X00](#)
  - [Project 2M00](#)
  - [Project 6D00](#)
  - [Project 6Y00](#)
  - [Project 2N00](#)
  - [Project 6E00](#)
  - [Project 9A00](#)

**Financial Analysts (FAs)**



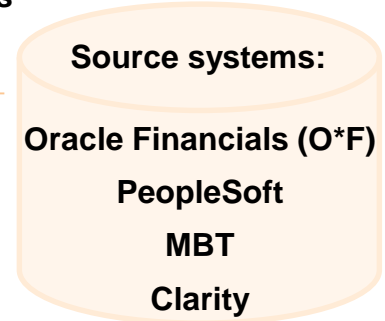
**FAs coordinate  
project/task info  
with PLs**

**Financial/Business Analysts**



**Setup Sheets  
(Data Loss)**

**Project financial  
setup**



**Project Leader**

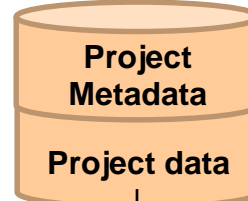


**Project technical  
information**

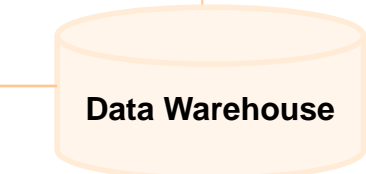
**PPDev Team/CCKS**



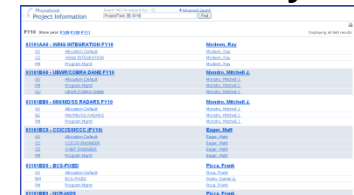
**ProjectPages**



**Answers**



**Phonebook & MyMII**



# “To Be” Process: Data Collected in Source Systems

Customer Agreements: (Projects/LOE):



Eds/PfMgr



Business Operations



Financial Analyst



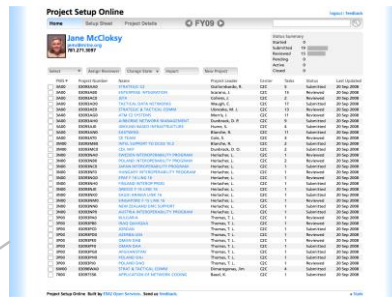
Project Leader



Know Admins



Project Setup Online



(manual -> automatic)

Financial/Business Analysts



Source systems:

Oracle Financials (O\*F)  
PeopleSoft  
MBT  
Clarity

Referential Key to Oracle Project Number

New source system



Data Repository & API

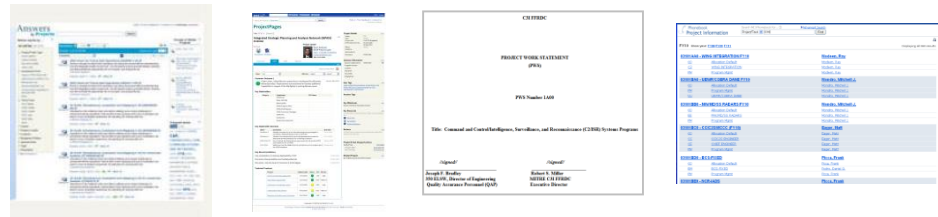
Project Information Model



Customer Catalog



Integrated View of Project Information Space



And other downstream business apps: MRT, Workplan, etc.

- Capture Work Program details at time of Project Setup (augment existing process)
- Bring all “actors” together collaboratively by creating Online Project Setup application
- Major step toward & foundation for OHIO

# Sample Project Page

MII Home  [FastJump](#) [Phonebook](#) [Search](#) [IRS](#) [Index](#)


Search for Projects in **Answers:**   **FY11** [ import ] [Help](#) | [Post Feedback](#) | [Contact Us](#)  
Corporate Prototype [Back to Answers](#)

## ProjectPages


### Longitudinal evaluation and accelerating adoption of social-enabled business models

Project has been reviewed


**Principal Investigators**



Donna Cuomo  
Chief Information Architect  
R500 - Knowledge Info&Collab Solution  
@mitre.org



Julia High  
Artificial Intell Eng, Senior  
E543 - HSI, Visualization & Dec Supt  
@mitre.org



John Moore  
Info Systems Eng, Sr  
R503 - Info. Mgmt. and Practice  
@mitre.org

[Overview](#) [Staff](#) [Export](#) [Metrics](#)

#### Task Description

MITRE, like many other enterprise organizations, has redoubled its efforts to facilitate collaboration both internally and with MITRE's customers and sponsors via the use of social media tools. While a number of these tools have had subjective success, it is very difficult to objectively measure this success, as well as to link that success to specific use patterns or behaviors at the individual, group, or project level. This seems to be driven by two primary factors:

As with many social media tools, adoption and establishment of typical use patterns is slow, and the relationship between usage patterns and changes in business processes takes time to emerge. As a result, it takes a long time for a sufficiently large and established user population to develop (which makes it difficult to conduct reliable measurements on the system), and the use patterns that characterize a social media tool early in its lifespan may not be typical of later tool use (so early measurements may not be predictive of later success).

In many cases, appropriate metrics for tying user behavior to project success within an enterprise context simply do not exist. Most social media metrics are designed for a marketing context, and very few track the establishment and maintenance of relationships over time, instead focusing on short term measures like conversion of anonymous users to subscribed users, allowing little assessment of the network effects that tend to be most valuable within a collaborative business context. To address this latter point, we propose to design evaluation methodologies that assess business value over long time periods, and do assessments in areas where critical mass has been achieved. We would also like to better understand what causes "tipping points" to be reached where maximal business value can be realized, and determine how to accelerate these behaviors.

#### Task Details

Center: MITRE  
Organization: R010 - Ctr Information & Technology  
Type: MSR  
Project Size: Unknown  
Performance Period: 05 Oct 2009 - 30 Sep 2011  
Status: Active  
Investment Area: Social Networking for the Enterprise  
End Users:

#### Sponsors

None Entered



#### Tags

social networking, ELGG, social software, social media, Handshake, evaluation, evaluating social software, collaboration

#### Key Milestones

None Entered

#### Key Resources

Include links to CommunityShare sites, key deliverables, etc.  
 MIP Proposal  
 CommShare

#### Reviews

Include links to CommunityShare sites, key deliverables, etc. None Entered

#### Project & Task Numbers

SOCIAL NETWKG FOR ENTERPRISE	
Innovation Brokering in Fed Gov. Markets	
Automated Profile Generation and Management	
Longitudinal evaluation and accelerating adoption of social-enabled business models	
Aardvark: Social Search @ MITRE	
OpenStack Technology Ecosystem	



# Project Finding

## Projects Powered by Answers

Home | All | **Projects** | Communities | People | Organizations

### My Shortcuts

- Projects I own (0)
- Projects I work on (1)

within results

### Refine results by

All (45) | MIP (36)

#### Project/Task Type

- Research (40)
- Direct (4)
- Indirect (1)

#### Fiscal Year

- 2011 (13)
- 2010 (13)
- 2009 (12)
- 2008 (5)
- 2007 (2)

#### Organization

- MITRE Legacy (21)
- Corporate (6)
- C2C (6)
- CIIS (12)

#### Project Leader

- Contract
- Budgeted Dollars
- Sponsor/User
- Populated
- Member

#### More Choices >>

You have chosen (use  to remove) ?

Keyword Search: social networking

Summary

Results 1-15 of 45

Results per page 15

Sort by: Relevancy

1 2 3 | next >

**Research** **OneCommunity: Social Network Services for the Intelligence Community ( )**

...and communicate with their networks of contacts, we are providing the contact recommendation functionality within a **social networking** web site that we are calling OneCommunity View Project Page >

Declared Tags: **SOCIAL NETWORKING** ... (3 more)

Discovered Tags: CI, DIA, DISA, HCI, JWICS ... (15 More) ?

Gertner, Abigail S. -- 2009 -- **Social Networking for the Enterprise** -- CECOM -- CIIS -- \$\$\$\$ -- ✓

### Groups of Similar Projects

MOIE, SOCIAL NETWORKING, COLLABORATION, MII, CI, TEM, MSR

MIP, SOCIAL INTEROPERABLE KNOWLEDGE MANAGEMENT, SSA, IP, PRIV

IT, SIM, NIST, SAR, NSF, NC

INFORMATION VISUALIZATION, WIKI, KNOWLEDGE ENGINEERING, KNOWLEDGE INTEGRATION, ANALYSIS, MEDIAWIKI, NETWORK SC

**Research** **OneCommunity: Social Network Services for the Intelligence Community ( )**

...and communicate with their networks of contacts, we are providing the contact recommendation functionality within a **social networking** web site that we are calling OneCommunity View Project Page >

Declared Tags: **SOCIAL NETWORKING** ... (5 more)

Discovered Tags: CI, DIA, DISA, HCI, JWICS ... (15 More) ?

Gertner, Abigail S. -- 2010 -- **Social Networking for the Enterprise** -- MITRE Legacy -- \$\$ -- ✓

**Research** **Internet Enabled Social Patrol ( )**

The goal of the I-SPI project is to develop a MITRE-specific **social networking** tool for mobile applications. The two primary challenges associated with this project revolve around id... View Project Page >

Declared Tags: **SOCIAL NETWORKING** ... (3 more)

Discovered Tags: DIS, HLA, INFOSEC, MII, MOIE ?

Crossler, Jay A. -- 2009 -- **Social Networking for the Enterprise** -- C2C -- \$\$ -- ✓

**Research** **Extending MITRE's Reach: Building External Relationships on a Social Platform ( )**

Explore the application of **social networking** tools to MITRE's work and assess the business value. A single business networking research platform... View Project Page >

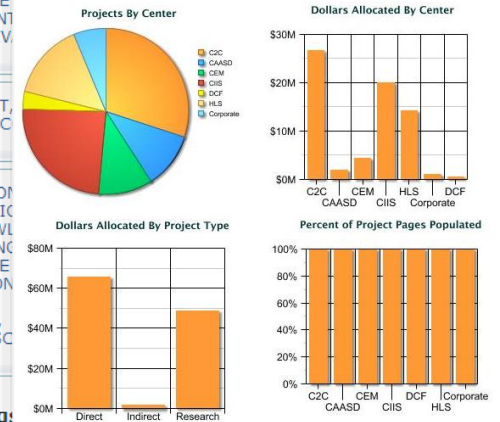
Declared Tags: **BUSINESS NETWORKING** ... (5 more)

Discovered Tags: MII ?

Cuomo, Donna L. -- 2010 -- **Social Networking for the Enterprise** -- MITRE Legacy -- \$\$ -- ✓

Summary

Please note that budgeted dollar figures are not necessarily accurate within the first few months of the fiscal year.



### Discovered Tags

[Cloud](#) | [List](#)

**CI, COLLABORATION,**  
DIA, DISA, HCI, IEEE, IG,  
INFORMATION  
VISUALIZATION,



# Finding People

# Re-Architect the People Model and Capture Process

## External Activities

Academic appointments  
Awards  
Certifications  
Citations  
Collaborative relationships  
Conferences  
Courses taught  
Education  
Government advisory boards  
Government appointments  
High impact prototypes  
Industry appointments  
Industry outreach  
Licenses  
Federal Government experience  
Open source contributions  
Patents  
Previous experience  
Professional societies  
Product evaluations  
Publications  
Standards committees

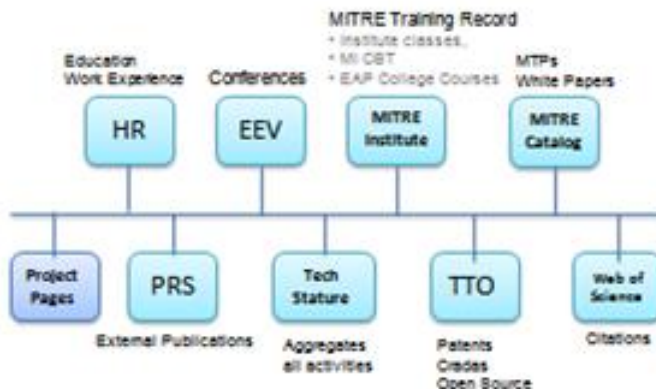
## Internal Activities

Awards  
Core Competencies  
Courses taught  
High impact prototypes  
IP disclosures

## Suggested Priority List

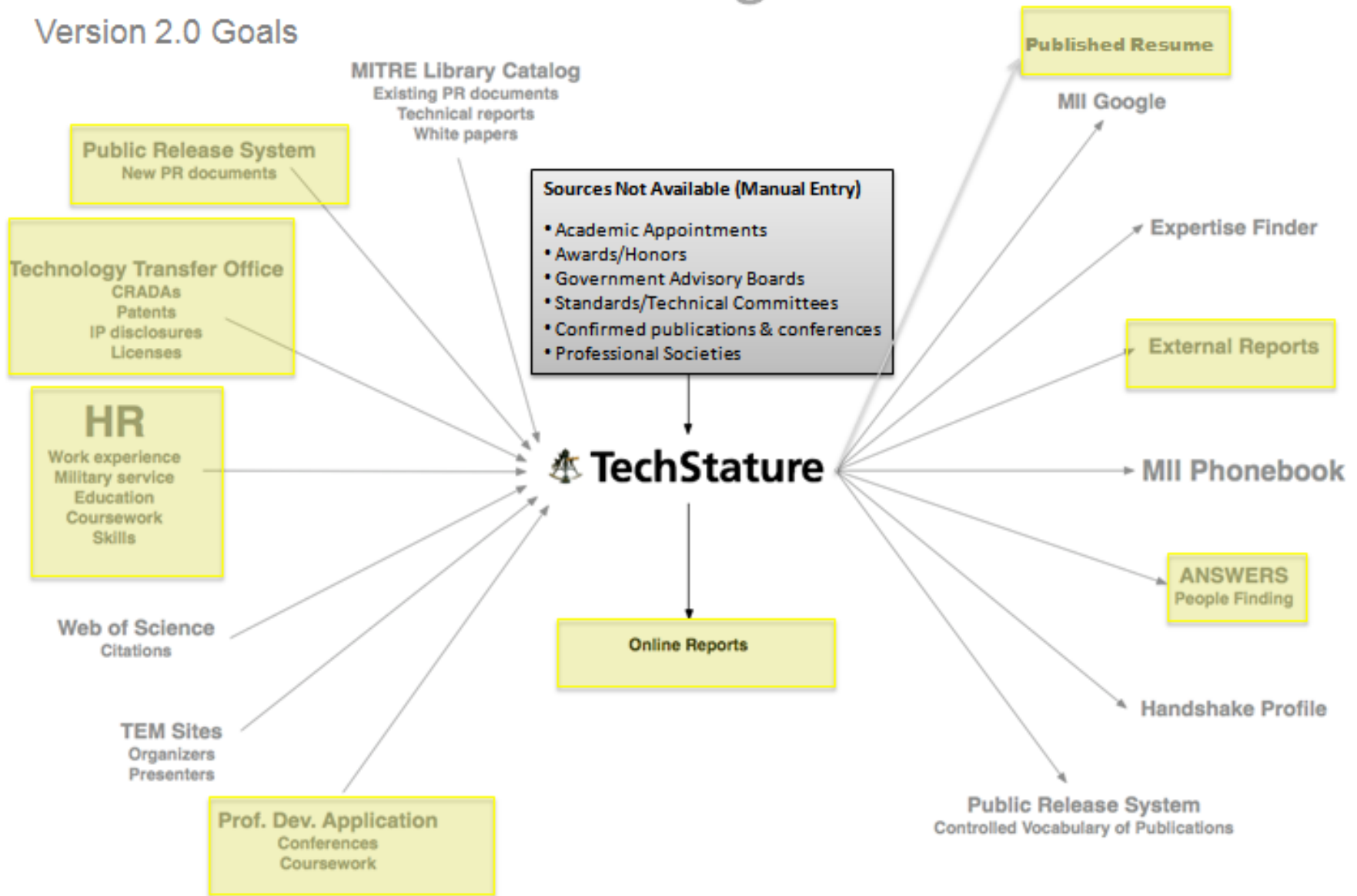
1. Academic appointments
2. Awards/Honors
3. Citations
4. Conference Papers/Presentations
5. Government advisory boards
6. Patents
7. Publications
8. Standards/Technical Committees
9. Professional Societies

Objective: Clean capture for these data elements for measurement & reporting.



# TechStature Business Integration

## Version 2.0 Goals




# Tech Stature/People Profile

MII Home [FastJump](#) [Phonebook](#) [Search](#) [IRS](#) [Index](#)  
[Feedback](#) | [Help](#) | [FAQ](#)

## TechStature

Search TechStature:



**Beth A. Yost**  
@mitre.org  
781-  
Human Factors Eng, Sr ACS

[▼ Show/Hide Content](#)

**Tags** [CyOC](#), [Data visualization](#), [decision making](#), [Human Computer Interaction](#), [Human Systems Integration](#), [information visualization](#), [Mission Assurance](#), [Tactical Edge](#), [Visualization](#) [edit](#)

**Education** [?](#)  
**Degrees** [edit](#)

Virginia Tech	
Ph.D. Computer Science and Applications	2007
Virginia Tech	
M.S. Computer Science and Applications	2006
Elon University	
B.A. Psychology	2002
Elon University	
B.A. Computer Science	2002

**Publications** [?](#)  
**Books** [edit](#)

The Visual Scalability of Integrated and Multiple View Visualizations for Large, High Resolution Displays  
Virginia Polytechnic Institute and State University  
Yost, Beth A.

**Articles** [edit](#)

Shaping the Display of the Future: The Effects of Display Size and Curvature on User Performance and Insights  
HCI: Special Issue on Ubiquitous Multi-Display Environments  
Shupp, Andrews L, Kurdziolek, M, Yost, Beth A., North, C.

The Perceptual Scalability of Visualization  
IEEE Transactions on Visualization and Computer Graphics  
Yost, Beth A., North, C.

Designing a Conference for Women Entering Academe in the Sciences and Engineering  
Advancing Women in Leadership Journal  
Howarth, J, Pyle, Pl, Yost, Beth A., Hacalahmetoglu, Y, Young, D, Ball, R, Lambros, S, Layne, P.

**Papers** [edit](#)

Single Complex Glyphs Versus Multiple Simple Glyphs  
Portland, OR  
Yost, Beth A., North, C.

A Multiple View Approach to Support Common Ground in Distributed and Synchronous Geo-Collaboration  
London, U.K.  
Convertino, G, Ganoe, C H, Shafer, W, Yost, Beth A., Carroll, J M.,

Exploring Context Switching and Cognition in Dual-View Coordinated Visualizations  
London, U.K.  
Convertino, G, Chen, J, Yost, Beth A., Boy, Y, North, C.

**Additional Courses** [edit](#)

CONOPs Master's Course  
10/2009 – 10/2009 MITRE Institute  
Project Management Boot Camp  
11/2008 – 11/2008 MITRE Institute  
Military 101  
10/2008 – 10/2008 MITRE Institute

**Technical Activities** [?](#)  
**Courses Taught** [edit](#)

06/2010	Advanced Information Visualization Techniques (1x) MITRE Institute
12/2008	Introduction to Information Visualization (4x) MITRE Institute
10/2005	Using Large, High-Resolution Displays for Information Visualization Co-chaired workshop held at IEEE Visualization Conference

**Prototypes** [edit](#)

Affinity  
Common Ground  
Tool for clustering and visualizing schemas. Written in java using combo of SWT and Swing, also uses Prefuse. Co-created the GUI with Craig Bonaceto.  
CyOC Visualization  
CyOC (E500 MA, ESE Capstone)  
Original visualization prototype was created using Improvise. Later prototypes used Flex and Flare. Co-created with Brian Staats and John

# People Finding

## People Powered by Answers

Home | All | Projects | Communities | **People**

**My Shortcuts**

- My Tech Stature page
- My Organization (18)

   within results

### Refine 201 results by

- Center**
  - C2C (112)
  - CIIS (36)
  - CEM (27)
  - Corporate (15)
  - CAASD (8)
  - HS SEDI (3)
- Job Title**
  - A-E (27)
  - F-J (64)
  - K-O (17)
  - P-T (93)
- Level**
  - AC7 (4)
  - AC6 (12)
  - AC5 (23)
  - AC4 (77)
  - AC3 (66)
  - More...
- Location**
- Degree**
- Major**
- Educational Institution**
- Professional Society**
- Foreign Languages**

You have chosen (use  to remove)

Keyword Search: java

Results 1-15 of 201

Sort by: Relevancy

**Jonathan W.**  
 Netwk Sys&Dist Sys Eng, Prin , AC5 in [redacted] -- [redacted]  
[redacted]@mitre.org -- 703-[redacted] -- Washington -- MITRE 2 | [redacted]

Declared Tags: JAVA DEVELOPMENT ... (10 more)  
 Discovered Tags: ACQUISITION, AJAX, ANALYSIS, ANDROID, ANT ... (1 more)

**Jonathan W.**  
 Info Systems Eng, Sr , AC3 in [redacted] -- [redacted]  
[redacted]@mitre.org -- 757-[redacted] -- Norfolk Naval Base, Virginia -- [redacted]

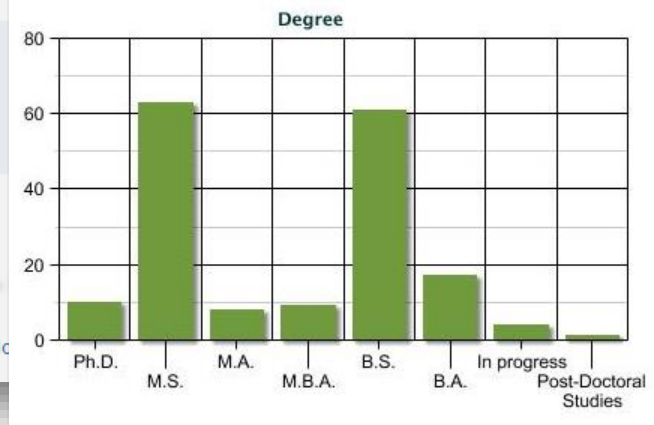
Declared Tags: CINC ... (34 more)  
 Discovered Tags: API, CDS, CLOUD, DEVELOPMENT, FUNCTIONAL ... (1 more)

**Jonathan S.**  
 Multi-Discipline Sys Eng, Lead , AC4 in [redacted] -- [redacted]  
[redacted]@mitre.org -- 540-[redacted] -- Virginia - TW -- [redacted]

Declared Tags: MIDDLEWARE -- JAVA RMI ... (18 more)  
 Discovered Tags: CAASD, CMD, IEEE, MIP, MTP ... (7 More)

**Michael R.**  
 SW App Dev Eng, Sr , AC3 in [redacted] -- [redacted]  
[redacted]@mitre.org -- 781-[redacted] -- Bedford -- K | [redacted]

Declared Tags: JAVA STORED PROCEDURE ... (82 more)  
 Discovered Tags: AJAX, ANSI, APACHE, APACHE JELLY, API ... (110 More)





# Initial People Finding Sources

The screenshot shows the MITRE People search interface. At the top, there's a navigation bar with 'MII Home', 'FastDump', 'Phonebook', and 'Search'. Below that, a welcome message for Kristina Groenwoldt and various utility links like 'Help', 'Latest features', 'Post Feedback', 'Contact Us', and 'FastDump: Answers'. The main content area is titled 'People Powered by Answers' and shows search results for 'java'. On the left, there's a 'Refine 206 results by' sidebar with categories like Organization, Job Title, and Level. The main results list shows profiles for Jonathan W. Doughty and Michael R. Phelan, with their declared and discovered tags. A 'Tags (Declared & Extracted)' box is overlaid on the results. On the right, there are sections for 'My Shortcuts', 'Groups of Similar People', and 'Discovered Tags'.

Tech Stature

Handshake Profiles

Project terminology for PLs

onomi tags

Resume

Wiki metadata from pages you edited

Linked document text

Tags (Declared & Extracted)

Terminology

Declared Tags: JAVA STORED PROCEDURE ... (82 more)  
Discovered Tags: AJAX, ANSI, APACHE, APACHE JELLY, API ... (110 More)

Discovered Tags  
Cloud | List  
.NET, API, C, C#, C++,  
ECLIPSE, HTML, IBM, IIEEE,  
IT, J2EE, JAVA,  
JAVASCRIPT, LINUX,  
MYSQL, ORACLE, PERL,  
PYTHON, REST, RUBY, RUBY  
ON RAILS, SEARCH,  
SECURITY, SOA, SOFTWARE  
ENGINEERING, SQL, TEM,  
VISUALIZATION, WEB  
SERVICES, XML



# Additional Capabilities

# Community Finding

Welcome, Kristina Groenwoldt [Help] [NEW] Latest features | [Post Feedback] [Contact Us] FastJump: Answers

## Communities Powered by Answers

Home | All | Projects | **Communities** | People | Organizations

[Search]  within results

Refine 13 results by

- Type**
  - Mailing List (7)
  - SharePoint Site (6)
- Technology Area**
  - Information Management (1)
  - Computing and Software (1)
  - Social and Behavioral Sciences (1)
- Owner**
  - A-E (7)
  - F-J (3)
  - K-O (3)
  - P-T (4)
  - U-Z (2)
  - Not specified (1)
- Status**
- Member**
- Organization**

You have chosen (use [X] to remove)

Keyword Search: social networking

Summary [Table] [Chart]

Results 1-13 of 13 Results per page 15

Sort by: Relevancy

**My Shortcuts**

- Communities I own (15)
- My Communities Memberships (28)

**social-networking-team-list**  
 C2C Strategic Onsite Social Networking Support Team  
 Mailing List  
 Declared Tags: SOCIAL NETWORKING ... (6 more)  
 Jean D. -- Active  
 @lists.mitre.org -- More

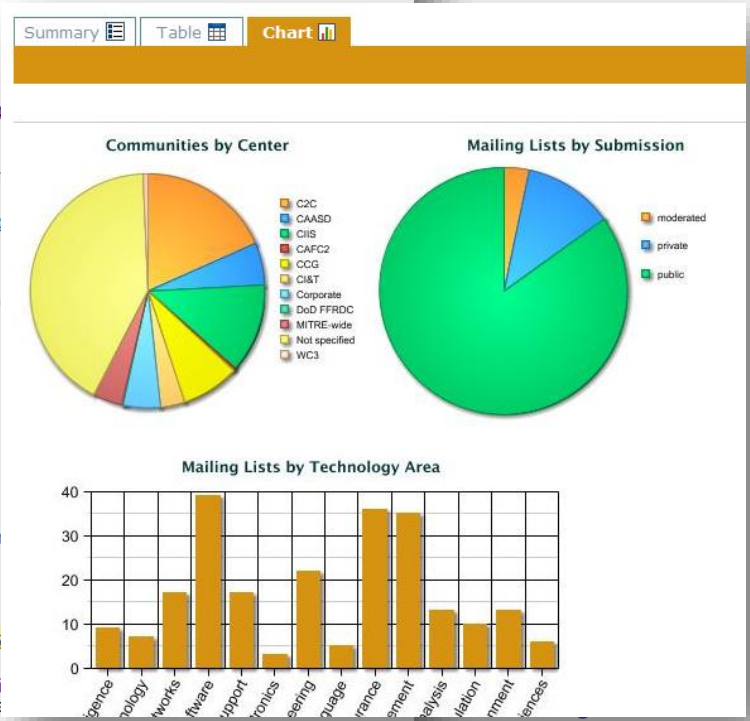
**MIP Investment Area: Social Networking**  
 Social Networking (or Software) for the Enterprise is interested in the a and measurement of social software. This...  
 Discovered Tags: MIP  
 Donna L. -- MITRE Legacy -- Computing and Software -- Enterprise Architectures -- Active  
 http://.../MIP\_Inv\_Area\_Social\_Networking

**Social Networking at MITRE**  
 To investigate and explore how MITRE can seamlessly integrate social s social networking concepts and services within the MII  
 Discovered Tags: MII  
 Donna L.; Michal -- Corporate -- Active **Most Active**  
 http://.../socialnetworking -- More

**Social Networks**  
 ...around social networks. To see what's "cooking", please visit the MIP Challenge site for Social Networking the Enterprise (link below)  
 Discovered Tags: MIP  
 Not specified -- Corporate -- Information Management -- Knowledge Management -- Retired/Inactive  
 http://.../SocialNetworks -- More

**Longitudinal Evaluation and Accelerating Adoption of Social Business Models**  
 We will design a longitudinal study to assess the business value of busi networking capabilities to Handshake users over time. While detailed d should occur ...  
 Donna L.; Julia -- Corporate -- Active  
 http://.../longitudinaleval -- More

**Discovered Tags**  
 Cloud | List



# Organization Finding

**MII Home** [FJ FastJump] [Phonebook] [Search] TRS | Index

Welcome, Kristina Groenwoldt [Help] [NEW Latest features] [Post Feedback] [Contact Us] | FastJump: Answers

## Organizations

Powered by Answers

Home | All | Projects | Communities | People | **Organizations**

**My Shortcuts**

- My Division (6)
- My Department (1)

Refine 545 results by ?

**Organization**

- Corporate (79)
- C2C (86)
- CAASD (29)
- CIIS (64)
- CCG (55)
- Contract Engineers (227)
- DOD C3I (5)

**Manager**

- A-E (149)
- F-J (118)
- K-O (119)
- P-T (121)
- U-Z (38)

**Type**

- Center (6)
- Company (1)
- Department (459)
- Division (64)
- Super Division (15)

**Summary** [Print] [Email] [RSS] [PDF]

Results 46-60 of 545 Results per page 15

Sort by: Organization Code: A to Z < prev | 1 2 3 4 5 6 7 ... | next > | last >

- MITRE** - **HR Operations & Benefits** [Icon] [Icon] [Icon]  
Division -- S. Michael ?  
Level Resources: **People** (1)
- MITRE** - **Service Center** [Icon]  
Department -- S. Michael ?  
Level Resources: **Communities** (4) | **People** (11)
- MITRE** - **Benefits** [Icon]  
Department -- , Richard J. ?  
Level Resources: **People** (4)
- MITRE** - **HR Information Technologies** [Icon]  
Department -- , James B. ?  
Level Resources: **Communities** (1) | **People** (5)
- CC** - **Command & Control Center** [Icon] [Icon]  
Center -- , Richard J. ?  
Discovered Tags: LEADERSHIP, PROJECT MANAGEMENT, RESOURCE MANAGEMENT ?  
Level Resources: **Projects** (282) | **Communities** (77) | **People** (33)
- CC** **E100 - Air Force Directorate** [Icon]  
Super Division -- , Sarah J. Siros ?  
Level Resources: **Projects** (5) | **Communities** (34) | **People** (6)
- CC** - **C2ISR Division** [Icon] [Icon]  
Division -- , Robert S. ?  
Discovered Tags: JAVA ?

**Groups of Similar Organizations** ?

- PROJECT MANAGEMENT, SYSTEMS ENGINEERING, ENTERPRISE ARCHITECTURE, PROGRAM MANAGEMENT, STRATEGIC PLANNING, IA, COLLABORATION, INFORMATION ASSURANCE
- JAVA, SOA, XML, JAVASCRIPT, SOFTWARE ENGINEERING, WEB SERVICES, DECISION MAKING

**Discovered Tags** ?

**Cloud** | List

C, C++, DATA MINING, DECISION MAKING, EDAC, EMERGENCY PREPAREDNESS AND RESPONSE, EMERGENCY PREPAREDNESS AND RESPONSE (STATE/LOCAL), ENTERPRISE ARCHITECTURE, FFRDC,

e 23

reserved.

# “The Buzz”

## Browse for answers



### Views made for you

- Projects I own (0)
- Projects I work on (1)
- Communities I Own (15)
- My Community Memberships (28)



### Featured Views

- Current MIP Projects (200)
- Current Fiscal Year Projects (1728)
- [ESE Capstone Projects](#) (4)



### Tell us what you think

We're testing out Answers for glitches and opportunities for improvement, but we need your help. Compliments and ideas are also welcome!  
[Give Feedback »](#)



### Projects

- Direct (6121)
- Research (1707)
- Indirect (1484)
- Other (16)



### Communities

- Mailing List (1872)
- Project (1180)
- Community of Practice (596)
- Organizational (386)
- MIP Workspace (234)
- Program/Initiative (220)
- Council (50)
- MTP TAT (5)



### People

- Ph.D. ( )
- J.D. ( )
- M.S. ( )
- M.A. ( )
- M.B.A. ( )
- B.S. ( )
- B.A. ( )
- Associate ( )
- Certificate ( )
- Ed.D. ( )
- In progress ( )
- M.Ed. ( )
- M.P.H. ( )
- Post-Doctoral Studies ( )

MITRE

Corporate (1825)



C2C (6403)



CAASD (2103)



CIIS (5243)

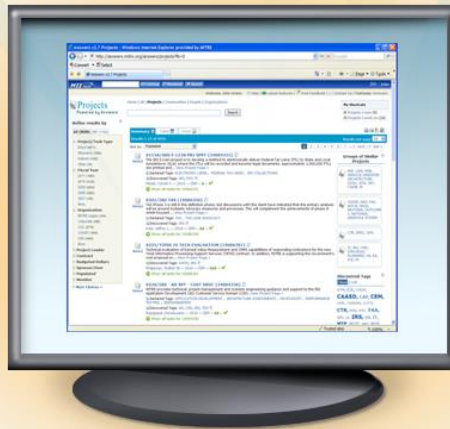
CCG

CCG (1084)

## Also highlights recent activity:

- Updated projects
- Active Communities
- Updated Profiles
- Most visited SharePoint sites
- Popular languages
- Popular professional societies

# Making Sense of Enterprise Experiences and Relationships



What are we partnering with Lincoln Lab on?

Where are the deliverables for this project?

I need to talk to SMEs in emergency preparedness.

Who knows people in the State Dept?

What communities exist around SOA?

Who has experience leading cloud computing efforts?

What research are we doing in CCOD?

Is MITRE working on any other projects for this sponsor?

How do I find projects focusing on similar technologies?

At what conferences did MITRE present papers this year?

Who else would know about this?

# Future Search Landscape



# Next MyMII: Connect, Collaborate, Awareness

The screenshot displays the MyMII web interface with the following sections:

- Header:** Includes navigation links (FASTJUMP, PHONEBOOK, SEARCH), user status (John: Timecard incomplete, DTS non-compliant), and a news alert (URGENT NEWS: Washington campus closed due to snow).
- Search:** A search bar with the text "Enter keyword(s) to search MII Google" and a "Search" button.
- Home:** A section with a "+" icon and "Add Gadgets | MyMII Help" link.
- Headlines (edit):** A list of news items including "NEW! Know your reporting...", "Quarterly software for all employees...", and "CAASD Hub: China aviation training...".
- Top News Center Stories:** A featured article titled "Al Grasso: New NextGen leadership" with a photo of Al Grasso.
- My Connections:** A section titled "What are you working on?" with a "Post" button and a character count (104 characters left). It lists recent activity from other users like Laurie Damianos and Patricia Anklam.
- My Actions:** A list of tasks such as "1 machine needs action in Desktop Steward" and "By April 28: T-Bird, Firefox, SeaMonkey".
- My Links:** A collection of links including "Stan's MyMII Future Ideas", "Answers CS Blog", and "Dollars & Sense (in progress)".
- My Publishing Spaces:** A list of spaces like "R011 - Business Operations", "R305 - Information Manager", and "HCI Interest Group".
- My Projects:** A section showing project details like "01MSRO45-EA" with a status indicator and "\$5572".
- Events/TEMS:** A calendar view for April 2010, showing events like "MIP NexGen Research" and "Bringing the Corporation" on May 11.
- View of the Outside:** A section for "Latest News" with headlines like "Shahzad's father questioned in Times Square inquiry" and "Violent movie declares war on Arizona for Immigration Law".
- Advertisements:** Includes "This Month's Senior Leadership PROMOTIONS", "Adobe Flash Player Vulnerability Is Critical", and "CIIS All Hands meeting".

Integrated search, more "findable" key business objects

Provide quick situational and status updates

Improved situational awareness of your partner and colleague network activities

# Next MyMI: Social-Enabled Phonebook

The screenshot shows the MyMI profile page for Lea Taylor. At the top, there's a navigation bar with 'FASTJUMP', 'PHONEBOOK', and 'SEARCH'. Below that, a search bar and a 'Search' button are visible. The profile header includes a photo of Lea Taylor, her name, and a status update: 'Lea is in a development meeting for Answers trying to develop an enterprise search strategy.' Below the header, there are tabs for 'Phonebook' and 'Tech Stature'. The main content area is divided into several sections: 'Employee No.', 'Location', 'Room | Bldg', 'Mailstop', and 'Notification'; 'Additional Information' including 'Administrator' (Mary Lou Sicard), 'Job' (Fiscal 0, HR 0), and 'Organization' (MITRE); 'Tags' (Human Computer Interaction, etc.); 'Project Charges' table; 'Availability' calendar; 'Activity' feed; 'Lea's Connections' (a row of profile pictures); and 'Lea's Publishing Spaces' (Information Architecture, MITRE Innovation Program, KM Home).

Lea's status, connect, leave a message

Lea's recent activity


Lea's connections

Tags

# Next MyMII: People, Technical Accomplishments/ Profile Info in Phonebook

myMII FASTJUMP PHONEBOOK SEARCH TRS Index Help  
Welcome John ALERTLY2K Virus is back Friday, February 6, 2008 11:15 AM EDT

Phonebook General Projects Organizations Communities More...  
Search

 **Lea Taylor**  
781-555-5555  
leat@mitre.org  
Info Systems Eng. Sr.  
Mobile Phone: 555-5555  
MITRE

Lea is in a development meeting for Answers trying to develop an enterprise search strategy. 51 mins ago clear  
What are you working on?  
140 characters left Post

Update your privacy settings

Phonebook Tech Stature

### About Me

edit

Lorem ipsum onsectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

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### Education

#### Degrees

add

Bentley University		
M.B.A., Human Factors in Information Design	2010	
Villanova University		
B.S., Computer Science	2005	

### Experience

#### Internal

add

2008 - 2010	MITRE Innovation Program	Information Architect
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Lorem ipsum onsectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

#### External

2005 - 2008	The Vanguard Group	Information Architect
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### Technical Activities

#### Prototypes

Commanding Air Power Conflict Visualization (CAP-CV) Mission Planning, AOC-WS  
Created an intuitive way to visualize potential problems between air battle plan flight routes

#### MIP Proposals

2008	REACT Online	PI
2007	Resources for Early and Agile Capability Testing (REACT)	PI
2006	Dynamic UAV Synchronization with the Combat Airspace	PI

### Professional Activities

#### Conferences Attended

add

2009	Information Architecture Summit	Attendee
2008	Information Architecture Summit	Attendee
2007	UX Intensive	Attendee
2006	User Interface Engineering	Attendee

### Technical Transfer

#### Licenses

add

Technical information and experiences are:

- derived
- self-declared
- access controlled
- sharable in MPN

# Questions?

**For additional information, contact:**

**Dr. Donna Cuomo ([dcuomo@mitre.org](mailto:dcuomo@mitre.org))**

**Krista Kennedy Groenwoldt ([kkennedy@mitre.org](mailto:kkennedy@mitre.org))**