



NASA Engineering Network (NEN)

PM Challenge 2008

*Daria Topousis
Ellie Trevarthen
Manson Yew
Jet Propulsion Laboratory
California Institute of Technology*





NEN allows you to:

- ★ Search 1,000,000+ documents in multiple repositories: Lessons Learned Information System (LLIS), NESC Reports, STI (including NTRS), NODIS, Tech Docs, Goddard GOLD Rules, etc.
- ★ Submit and/or browse NASA Lessons Learned
- ★ Connect, collaborate, learn, and share ideas via communities of practice led by NASA Technical Fellows or discipline experts
- ★ Access engineering resources for a variety of disciplines from one unified portal
- ★ Find and connect with NASA subject-matter experts via the POPS (People, Organizations, Projects, Skills) Expertise Locator



NEN is...

- ★ Free and open to all NASA personnel
- ★ Sponsored by the NASA Office of the Chief Engineer

*Michael Ryschkewitsch
NASA Chief Engineer*





Let's take a tour ➤ ➤ ➤





Simple search across multiple engineering repositories

NASA Engineering Network | NASA Domain
 Lessons Learned | Employee Locator | Google

Search for: Search ?

- NEN Home
- Lessons Learned
- Engineering Communities
- Engineering Resources
- Engineering Search
- Program/Project Management
- Office of the Chief Engineer
- APPEL
- NESC
- POPS Expertise Locator
- What's New
- InsideNASA

NEN Home

What's Happening in Engineering

Current New Mine

2/20/2008: PM Challenge 2008 Blog Feb 20, 2008
 The Program/Project Community of Practice will be blogging from PM Challenge 2008, Feb. 26-27. Watch this page for more information in the next few days.

2/13/2008: POPS Expertise Locator Now Available Feb 13, 2008
 POPS (People, Organizations, Projects, Skills) helps project planners, workforce analysts, Human Resources personnel, and others locate experts in the NASA workforce.

2/7/2008: NESC Academy Announces Structures/Nondestructive Evaluation Course Feb 7, 2008
 The NESC Academy will offer "Structures/NDE" course with Dr. Trakury Raju and Dr. William Drexler, April 29 - May 1 in Hampton, VA. Click announcement title for more information.

1/2/08: Registration open for PM Challenge 2008 Jan 2, 2008
 Registration is open for PM Challenge 2008, taking place February 26-27 in Daytona Beach, FL. For more info see <http://pmchallenge.gsfc.nasa.gov>.

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Chief Engineer's Corner min



Welcome to the NASA Engineering Network (NEN), the portal to promote learning, collaboration, and knowledge sharing among NASA's engineers. The NASA Engineering Network connects engineers to other engineers, and connects engineers to NASA resources.

NEN delivers NASA's Lessons Learned, which provide the official, vetted lessons learned from NASA programs and projects. Each lesson includes the summary of the driving event and recommendations that drive NASA's engineering training, best practices, policies, and procedures.

NEN's Engineering Search provides engineers with an enterprise search engine that mines the knowledge from NASA Lessons Learned and a continually growing number of repositories of interest.

NEN's Communities of Practice (CoP) are facilitated communities where engineers may interact with their discipline's Technical Fellow, subject-matter experts, and other practitioners to leverage the knowledge, processes, and best practices created and employed by other engineers.

As NASA's Chief Engineer, I welcome your comments, suggestions, and questions. -- *Michael Ryschkeiwitsch*

+ Read Biography
 + Contact: Michael Ryschkeiwitsch

NASA Procedural Requirements (NPR) min

- NPR 7120.5D: Space Flight Program and Project Management Requirements
- NPR 7120.5C: Program and Project Management Processes and Requirements
- NPR 7120.6: Lessons Learned Process
- NPR 7123.1: Systems Engineering Processes and Requirements
- NPR 7150.2: Software Engineering Requirements
- Search NODIS

Engineering Technical Standards min

NASA Technical Standards

- NASA Technical Standards Program
- NASA Goddard Standards Coordination
- NASA Spaceflight Hardware Workmanship Standards
- NASA Electronic Parts & Packaging (NEPP)
- Space Shuttle Process Control Standards
- JPL Standards Program (JPL Only)

Other Engineering-Related Standards

- Capability Maturity Model® Integration (CMMI)
- Federal Geographic Data Committee
- Standards Engineering Society (SES) -- Standards Links

Related Features

- The NASA Technical Standards Program: An Enterprise Approach (*ASK OCE Newsletter*)

Engineering Resources

- NASA Systems Engineering Handbook (PDF)
- NASA STI Acronym Database
- Inventions and Contributions Board
- MAPTIS (Materials and Processes Technical Information System)
- NASA Engineering Safety Center (NESC)
- NASA Independent Verification and Validation Facility
- NASA Innovative Partnerships Program (Technology Transfer)
- NASA Office of Safety and Mission Assurance (OSMA)
- POLARIS (Program/Project Online Library & Resource Information System) (Access restricted to NASA Centers)

NEN Project Documents

- NEN Operational Readiness Review (ORR)
- NEN ORR RFA's
- NEN Critical Design Review
- Communities of Practice Implementation Plan
- Implementation Plan for Search
- LLIS NEN Migration Test Plan
- LLIS NEN Migration Summary Matrix
- NEN Communications Plan
- NEN Concept of Operations Document
- NEN Release Description Document
- NEN Software Description Document
- NEN System Requirements Document
- JPL NEN Test Plan and Procedures Document
- JPL NEN Test Report 10/27/05
- JPL NEN Test Report 11/01/05
- JPL NEN Test Report 11/03/05



Search Repositories include:

[NASA Engineering Network](#) | [NASA Domain](#) | [Lessons Learned](#) | [Employee Locator](#) | [Google](#)

Search for 

- ★ Lessons Learned
- ★ NODIS
- ★ Goddard GOLD Rules
- ★ NESC Technical Reports
- ★ Scientific and Technical Information (STI)
- ★ Software Process Access Library (SWPAL)
- ★ POLARIS
- ★ ISS PRACA



Lessons Learned

Welcome to Lessons Learned

min



Welcome to NASA Lessons Learned, where safety and engineering excellence are the first priority of mission success. We are committed to providing an agency-wide Lessons Learned Information System (LLIS) that offers vetted lessons that influence policy, procedures, guidelines, technical standards, training, and education curricula. Likely risks to future missions should not include known errors because most mature engineering organizations employ a formal lessons learned process as an effective countermeasure against avoidable risks. Through strategic partnerships, we offer the best forum of

lessons learned practices that allow all organizations, communities of practice, and subject matter experts to convene. I encourage all practitioners to utilize lessons learned resources at their center and entitle their distinguishing achievements to institutional management. We welcome your comments, suggestions, and questions. -- *Dr. Gena Henderson, Program Manager*

llis.nasa.gov



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Lessons Learned

Lessons Learned

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LATEST PUBLISHED LESSONS

02/12/2008 - **ARC Exploration Systems: A Summary of Lessons Learned Interviews and Workshop** - 5KB
As part of the Exploration Systems Mission Directorates (HQ Code T) Lessons Learned Project, Ames Research Center has compiled the results of ongoing Lessons Learned interviews and a Lessons Learned...

+ Read More
NASA Organization: ARC
Lesson Number: 1829
Collection: L LIS

02/04/2008 - **MSFC Exploration Systems: Lessons Learned Workshop Report** - 4KB

The Office of Exploration Systems (Code T) is collecting space flight lessons and
experiences resident within the NASA community. LaRC was tasked by the Associate
Administrator for Code T,...

+ Read More
NASA Organization: MSFC
Lesson Number: 1822
Collection: L LIS

10/30/2007 - **Mars Exploration Rover Project: Stealing Success From the Jaws of Failure** - 8KB

A September 23, 2005 video presentation in which the Chief Engineer for the JPL Mars Program discusses some of the hard systems engineering lessons learned from developing the Mars Exploration Rovers...

+ Read More
NASA Organization: JPL
Lesson Number: 1797
Collection: L LIS

10/30/2007 - **Mars Global Surveyor (MGS) Spacecraft Loss Contact** - 18KB

Contact was lost with the Mars Global Surveyor (MGS) spacecraft in November 2006 during its 4th extended mission. A routine memory load command sent to an incorrect address 5 months earlier corrupted...

+ Read More
NASA Organization: JPL
Lesson Number: 1805
Collection: L LIS

[more...](#)

Latest Published Lessons

Search Lessons Learned

Welcome to Lessons Learned

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Welcome to NASA Lessons Learned, where safety and engineering excellence are the first priority of mission success. We are committed to providing an agency-wide Lessons Learned Information System (LLIS) that offers vetted lessons that influence policy, procedures, guidelines, technical standards, training, and education curricula. Likely risks to future missions should not include known errors because most mature engineering organizations employ a formal lessons learned process as an effective countermeasure against avoidable risks. Through strategic partnerships, we offer the best forum of lessons learned practices that allow all organizations, communities of practice, and subject matter experts to convene. I encourage all practitioners to utilize lessons learned resources at their center and entitle their distinguishing achievements to institutional management. We welcome your comments, suggestions, and questions. -- Dr. Gena Henderson, Program Manager

[Read Dr. Henderson's Biography](#)

Search Formal Lessons Learned

Enter Search Terms:

Select NASA Center:

- | | | |
|---|-------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> All Centers | <input type="checkbox"/> HQ | <input type="checkbox"/> GRC |
| <input type="checkbox"/> ARC | <input type="checkbox"/> DFRC | <input type="checkbox"/> JSC |
| <input type="checkbox"/> GSFC | <input type="checkbox"/> JPL | <input type="checkbox"/> MSFC |
| <input type="checkbox"/> KSC | <input type="checkbox"/> LaRC | <input type="checkbox"/> WSTF |
| <input type="checkbox"/> SSC | <input type="checkbox"/> WFF | |



Create a Lesson

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► POPS Expertise Locator

What's New

InsideNASA

Metrics

CREATE A LESSON

Lesson Details > Lesson Metadata > Lesson Supporting Materials

"Create A Lesson" captures formal lessons learned that include, but are not limited to, title, description of driving event, lessons learned and recommendations.

Submission Instructions:

Please complete the requested information below. The required fields are marked by *. Once you have submitted your lesson, a notification e-mail will be delivered to you.

This submission form has multiple pages. After completing each page, make sure to click "Next Step" at the bottom of the page. This will save your information at each step. If you get started and need to stop for some reason, the lesson you are creating will be saved and will appear in "My Saved Lessons." You can return to "My Saved Lessons" at any time to complete and submit it.

Submitted By:

First Name: Last Name:

Submitter's Phone Number: (XXX-XXX-XXXX)

Submitter's Email Address: ellen.trevarthen@jpl.nasa.gov

Point of Contact (if different from submitter):

First Name: Last Name:

Phone Number: (XXX-XXX-XXXX)

Email Address:

Title: The title should accurately reflect and summarize the subject of the lesson learned. A unique title is preferred but not mandatory.*

Abstract: The abstract should be a short concise summary of the lesson, preferably no more than a short paragraph or two in length.

Description of Driving Event: This is a brief description of the event or problem which resulted in the lesson being learned.*



Communities of Practice

- ★ Distributed, peer-driven network of individuals
- ★ Engaged in a specific discipline
- ★ Come together to share collective knowledge and learn from one another





Communities of Practice

What Are Communities of Practice?

The Office of the Chief Engineer has launched an initiative to implement Communities of Practice centered around engineering disciplines and led by NASA Technical Fellows.

A NASA Community of Practice is a distributed, peer-driven network of individuals, engaged in a specific discipline, who come together to share their collective knowledge and learn from one another.

Community members work together to identify common problems and explore solutions, and they often develop and implement best practices. Collective disciplines are identified by shared passion for a subject, a shared level of practice within a discipline, and trust and willingness to solve problems collaboratively.

Collocated individuals within a discipline commonly share ideas or discuss work challenges. By extending localized interaction to an online, facilitated forum, community members benefit from exposure to a broader set of related information resources, access to a wider field of peer expertise, and expanded opportunities for knowledge sharing and collaboration. Online forums also overcome traditional boundaries of time, distance, and organizational silos.

The NASA Engineering Network (NEN) hosts the online environment where communities meet to discuss ideas, locate peers, find the latest industry news and events in their discipline, and access relevant documentation and resources. If you have questions about the NEN or the Communities of Practice, please contact [Greg Williams](#) or [Manson Yew](#).



Practicing
Communities

Engineering Communities

min

Current Communities



Environmental Test & Verification
Contact: Ed Strong



Knowledge Management
Contact: Jeanne Holm



Nondestructive Evaluation
Contact: William Prosser



Program/Project Management
Contact: Michael P. Blythe



Software Engineering
Contact: John C. Kelly



Structures
Contact: [Ivatury Raju](#)



Systems Engineering
Contact: Ross M. Jones

Communities
in Development

Management Board Communities *(Members Only)*



Engineering Management Board
Contact: Michael Ryschkewitsch



Lessons Learned Steering Committee
Contact: Gena Henderson



Program/Project Management Board
Contact: Michael Ryschkewitsch

Communities in Development

- ◆ Aerosciences
- ◆ Avionics
- ◆ Guidance, Navigation, and Control
- ◆ Human Factors
- ◆ Life Support/Active Thermal
- ◆ Loads and Dynamics
- ◆ Materials and Processes
- ◆ Mechanical Systems
- ◆ Propulsion



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Program/Project Management

Program/Project Management

Main Page | PPMB | 7120.5D

Program/Project Management Community

Program/Project Management Announcements

PM Challenge Registration Open Dec 4, 2007

Register now for the PM Challenge conference taking place February 26-27 in Daytona Beach, Florida. See <http://pmchallenge.gsfc.nasa.gov> for more information.

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PM Challenge 2008 Blog



Join the action at PM Challenge 2008, February 26-27!

This year's theme is *Reach Higher*. The tracks cover an array of topics from *Dream Teams* and *Process Winners to Shared Voyages and Blazing Trails*, plus some old favorites -- *Risk Management*, *Integrated Project Management*, and *Spotlight on Engineering Excellence*.

If you are at the Challenge and missed a session, or want to join in virtually, visit the **PM Challenge 2008 Blog** where you may read a summary and share your ideas.

Meet us there! We look forward to your participation.

Brought to you by the Program/Project Management Community of Practice

Project/Program Management Community min



Welcome to the Program/Project Management Community. As Director of the Engineering and Program Management Division, I am leader of the Program & Project Management Community of Practice. I welcome your ideas and experiences. -- *Michael Blythe*

+ Read Biography

Contact: Michael P. Blythe

Co-Facilitators: Daria Topousis, Manson Yew

POLARIS

Program/Project Online Library And Resource Information System



<https://polaris.nasa.gov/>

Polaris supports program and project managers by facilitating access to information related to spaceflight program/project management, advanced technology, basic and applied research, and institutional program/project management.

- ◆ Spaceflight Project Requirements
- ◆ Cost Estimating
- ◆ Spaceflight project life cycles & reviews
- ◆ Advanced Technology Life Cycles & Reviews
- ◆ Basic & Applied Research Life Cycles & Reviews
- ◆ Institutional Program/Project Life Cycles & Reviews

Learn Project Management with NASA APPEL min



- ◆ APPEL website
- ◆ Case Studies
- ◆ 100 Lessons Learned for Project Managers
- ◆ News & Events
- ◆ ASK Magazine
- ◆ ASK the Academy

NASA Project Management min

- ◆ NPR 7120.5D, Requirements for Space Flight Programs and Projects
- ◆ NPR 7120.5C, Requirements for All Other Programs and Projects
- ◆ Latest Program and Project Management Lessons from Lessons Learned Database
- ◆ NASA Earned Value Management

Industry Project Management Associations min

- 🚪 PM Boulevard
- 🚪 Project Management Center
- 🚪 Project Management Institute

Design Suggestions & Recommendations min

Let us know what you think! Click on the button below to make a suggestion.

Suggestion refers to...

Make this anonymous

[View Suggestions](#)



Engineering Communities > Systems Engineering

System Engineering Community

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- Engineering Communities
 - Environmental Test and Verification
 - Nondestructive Evaluation
 - Software Engineering
 - Structures
 - Systems Engineering**
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Systems Engineering

Main Page | Contacts | Tools

Announcements for Systems Engineering

Current New Mine

New Version of the Systems Engineering Handbook is Released Feb 6, 2008
Updated 6105

Discussion Board for Systems Engineering

Forum (1-1 of 1)	Msgs	Last Post
Welcome to the Systems Engineering Community	0	N/A

All Forums

Systems Engineering Training

- Academy of Program/Project & Engineering Leadership (APPEL)

Conferences, Symposia, & Workshops

- 2007 IEEE Aerospace Conference
- Systems Engineering Conferences Worldwide
- 5th Annual Conference on Systems Engineering Research
- Asia Pacific Systems Engineering Conference (APSEC) 2007
- 2007 INCOSE International Symposium
- 15th IEEE International Requirements Engineering Conference
- 10th Annual Systems Engineering Conference

Center System Engineering Sites

- JPL Systems Engineering (JPL Only)
- GRC Engineering Systems Engineering Division
- JSC System Engineering and Analysis

Systems Engineering Documents

12/19/2007 - **Flight Project Practices, Rev** - 610KB
5.0 Management Practices 5.1 Life Cycle Practices 5.1.1 Projects for which JPL has mission management responsibility follow the JPL Project Life Cycle shown in Figure 5.1-1. 6 Figure 5.1-1 - JPL...
+ Read More
Creator: Silvia DeLeon
NASA Organization: JPL
Collection: SYSTEM-ENG

12/19/2007 - **Requirement: Design, Verification/Validation & Ops Principles for Flight Systems (Design Principles)** - 533KB
The document is organized into six main sections that are as follows: 1. Mission Design- section 3 contains principles that reflect on both mission design and flight system areas 2. Flight System...
+ Read More
Creator: Silvia DeLeon
NASA Organization: JPL
Collection: SYSTEM-ENG

12/19/2007 - **Systems Engineering Advancement Project** - 562KB

Welcome to Systems Engineering



Welcome to the System Engineering Community. I am the Leader of the System Engineering Community of Practice. I welcome your ideas and experiences. -- Ross M. Jones

- + Read Charter
- + Read Biography
- Contact: Ross M. Jones

Co-Facilitators: Greg Williams, Erin Means

Systems Engineering Working Group Contact Information

Key Systems Engineering Documents (Read Only / Download Only)

Systems Engineering

Type	Title	Owner	Edited	Size
SE Training		mather	05/09/07 2	
SEWG		kfashimpaur	01/22/07 7	
NASA_SP-2007-6105_Rev_1_Final_31Dec2007.pdf		kfashimpaur	02/20/08 9 MB	
NPR 7123.1 (Systems Engineering Procedural Requirements)		emeans	05/14/07 0	

INCOSE News & Events

2008 International Workshop Presentations are in the Event Archive (09 Feb 08)
Well done to all who participated in the 2008 International Workshop in Albuquerque, New Mexico, USA.

Give us your success stories (20 Jan 08)
As an industry, we are very good at collecting stories of failures à cases where a lack of systems engineering yielded catastrophic results.

INCOSE NOMINATIONS AND ELECTION RESULTS (08 Jan 08)
The INCOSE Nomination and Election Committee is pleased to announce the results of this year's elections.

Space Systems Engineering & Risk Management Symposium - Registration Open (17 Dec 07)
Join the industry at the 7th National Space Systems Engineering and Risk Management Symposium February 29-29, 2008, at the Renaissance Montara Hotel in Los Angeles.

Reviews are complete for ISO8 papers (16 Dec 07)
To minimize confusion and provide the maximum preparation time, the important dates for all three categories (papers, tutorials, and panel moderators) are the same.

[View All News](#)

Suggestion for Systems Engineering

Let us know what you think! Click on the button below to make a suggestion.

Suggestion refers to...



POPS (People, Organizations, Projects, Skills) Expertise Locator

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- Metrics

POPS Expertise Locator

POPS Expertise Locator

Main Page | POPS Help | POPS FAQ

What is POPS?

POPS (People, Organizations, Projects, Skills) helps project planners, workforce analysts, Human Resources personnel, and others locate experts in the NASA workforce.

POPS accesses multiple existing NASA data sets in their native locations. It integrates and aggregates required groups or pieces of data to deliver results of user-defined queries, via an easy-to-learn, user-friendly interface.

POPS System Requirements

POPS is a cross-platform Java WebStart application. It runs on Windows, Macintosh, or Unix systems.

Users download the POPS client to their workstation and then launch it locally.

Important: Java (1.4 or later) must be *pre-installed* on your computer.

You must be directly connected to the NASA network at your Center or at JPL to use the POPS application. At present, it is not possible to use POPS while on a VPN remote access connection.

Contact your Center's Help Desk to request download and installation assistance (e.g., from NASA HQ call 202-358-HELP).

Get Started with POPS

1. Read the **System Requirements** listed above.
 2. **Download and use of POPS implies acceptance of the following:**
WARNING! This is a US Government computer. This system is for the use of authorized users only. By accessing and using the computer system you are consenting to system monitoring, including the monitoring of keystrokes. Unauthorized use of, or access to, this computer system may subject you to disciplinary action and criminal prosecution.
 3. Click: **Download POPS Client Application**
 4. When prompted to **Open** or **Save**, choose **Save**. (Recommended: Save to Desktop)
 5. Locate and double-click the downloaded file (**pops.jnlp**).
 6. When prompted to accept the security certificate, click **Trust**. (The Security warning will appear only on first launch. POPS has an approved NASA Security Plan. Your system is not exposed or at risk by downloading or running POPS.)
 7. When prompted, enter your user name and NASA e-mail address, as they appear in the X.500 directory. (Identical information is required for POPS to operate correctly. Your information is secure and will not be shared or distributed.)
- For more information on downloading or launching POPS? Contact your Center's Help Desk to request assistance (e.g., from NASA HQ call 202-358-HELP).

POPS Status, Known Issues, Bugs

Known Constraints

- The CMS and WIMS data sources contain civil servant records only. Therefore, when data browsing, the results will not include NASA contractors or JPL personnel. Also, these individuals will not be depicted in the POPS Social Net feature.
- POPS allows for integration and use of other data models and data sources. However, the current release (POPS 1.0) uses only one data model and four data sources (see **POPS Data Sources** on this page). Additional data models and sources may be added to future releases.

POPS Use Case Scenarios

The following scenarios assume that the POPS application is set to the default column layout: *NASA Center, Project, Competency, Person*. To reset to the default layout, on the application menu bar click **Advanced | Reset Default Column Set-up**.

Use the **POPS Help** information to become acquainted with the application's features. You are welcome to contact your Center's Help Desk (e.g., from NASA HQ call 202-358-HELP) to request assistance with these scenarios or others to meet your own requirements.

Scenario	How-to
Who at MSFC has the skill <i>Fundamental Physics</i> ?	NASA Center column: click MSFC . Competency column: click Fundamental Physics . Look for results in the <i>Person</i> column. Click each result and view the person's information in the <i>Details</i> tab of the Information Panel.
Who at GSFC on the <i>In-space Propulsion</i> project has <i>Flight Dynamics</i> competency? What are their e-mail addresses?	NASA Center column: click GSFC . Project column: click In-space Propulsion . Competency column: click Flight Dynamics . Look for results in the <i>Person</i> column. Note the names, then click each name and locate the person's e-mail address in the <i>Details</i> tab of the Information Panel. Select and copy the e-mail address, as desired.
Who at NASA has the skills <i>Electromagnetics AND Metallurgy</i> ? At which NASA Centers do they work?	Coming Soon
Find all people at GSFC, MSFC or JSC on the Cassini project who have either <i>Imaging Analysis</i> or <i>Nanoscience</i> competency.	Coming Soon
Which DFRC departments are involved in the <i>Crew Exploration Vehicle</i> project? Who in the <i>DFRC:SQ</i> department has <i>Avionics</i> competency? Which of them is in the Competency Category <i>Leadership & Knowledge Management Domain</i> ?	Coming Soon
You need to assemble a Failure Review Board. Your key propulsion engineer is no longer available. Find an alternate with a similar background, who has a propulsion-related competency and experience on the Space Shuttle main engine.	Coming Soon
NESC needs to distribute a critical report on wire-to-wire "smart" short and Darlington transistor pair failure to every Avionics engineer on Space Shuttle and ISS. Your task is to compile a comprehensive distribution list of NASA people with an Avionics background who worked on ISS Spacecraft Operations and Space Shuttle Safety and Sustainability. (Reminder! CMS and WIMS data does not include contractors.)	Coming Soon
You are responsible for staffing a new NASA project. It requires a programmer with zero gravity materials science experience, who is willing to work in California.	Coming Soon
You are organizing a Fluid Systems training seminar at GSFC. You want to invite the non-experts (competency level 2 or lower) from GSFC, HQ, and LaRC. Find a list of suitable candidates.	Coming Soon
You are putting together a Tiger Team for which Bob, an STS-51L flight engineer, would be a good fit. Unfortunately, he announced his retirement recently. You need to find someone who worked with him.	Coming Soon
Jeff is a new thermal engineer at JSC. He wants to use the same testing methods used on the Mars Rovers. How could he use POPS to find people who worked on MER who also have experience with the Space Shuttle?	Coming Soon
You want to learn about Solid State Arrays. A colleague suggested you read technical papers written by _____ who works on Cassini at Goddard. Use POPS to find the person and the titles of the papers so you can then go to NTRS and download the papers.	Coming Soon

POPS is a cross-platform Java WebStart client application that users download and launch locally.



POPS (People, Organizations, Projects, Skills) Expertise Locator

POPS helps you find NASA people by Center, Organization, Project, Competency, and Competency Level

POPS v1.0 - Connected to 'POPS Database' - US

File Options Bookmarks Advanced Help

NASA Center (15)

- ARC
- DFRC
- GRC
- GSFC
- HQ
- IVV
- JPL
- JSC
- KSC
- LARC
- MAF
- MSFC
- NSSC
- SSC
- WSTF

Source: x500

Project (178)

- Mission Science Guest Investigator
- Mission Success - Center Specific
- Multi-User Systems Support (MUSS)
- Multi-User System Support (MUSS)
- NASA Eng Safety Ctr Project
- NASA Integrated Services Network(NISN)
- NGATS Air Traffic Management-Airspace
- NPOESS Preparatory Project (NPP)
- NSSC-NASA Shared Services Center
- Navigator Future Missions
- New Frontiers Management
- New Horizons
- Non-Toxic (Green) Propulsion Systems
- Office of Chief Engineer
- Office of Chief Financial Officer
- Office of Safety & Mission Assurance
- Orbiter

Source: WIMS

Competency (48)

- Configuration Management
- Counterintelligence/Counterterrorism Analy...
- Design and Development Engineering
- Detector Systems
- EEE Parts
- Electrical Design and Development Engineering
- Electrical Integration Engineering
- Electrical Test Engineering
- Electrical and Electronic Systems
- Electromagnetics
- Employee & Team Leadership
- Engineering and Science Support
- Executive Management
- Export Control
- Flight and Ground Data Systems
- Information Security
- International Relations

Source: CMS

Person (1)

- Blythe,

Source: x500

Information Panel

View Different Social Networks Present in the Data

POPS' Social Net feature shows connections between people. Each connecting node provides contact information.

Legend:

- Same Skill and Same Department
- Same Skill and Same Project
- Same Skill, Project, and Facility
- Am I Connected? (Experimental)

Details **Social Net** Alternate Paths

1 of 1



PM Challenge Blog



Miss a track? Read a summary and share your ideas on the PM Challenge blog.

Go to nen.nasa.gov or use the computer in our booth

Brought to you by the NEN Program/
Project Management Community of
Practice



Thank you for touring the
NASA Engineering Network!

Presentation will repeat