

# **Listing and Finding UM Resources with the Research Resources Directory (R2D1)**

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**Jason Hale  
October 6, 2015**

# What We will Do

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Introduce the UM Research Resources Directory (R2D1)

Learn to find resources with R2D1

Learn to list/edit resources with R2D1

## What is the Research Resources Directory (R2D1)?

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A **centralized listing** of both centrally and locally administered resources of potential interest to a broad community of UM researcher/scholars, and internal and external stakeholders.

Provides a **common/standardized interface** with only the basic information about resources. Entries point users to “Web pages of record” or human points of contact for detailed info.

# Why Has the R2D1 Directory Been Created?

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- Called for in the UM2020 Strategic Plan.
- To **facilitate** cross-disciplinary **collaboration**, inter-institutional collaboration, and **sharing and utilization of resources**.
- To allow UM administrators and researchers **to respond quickly**, efficiently, accurately, and consistently to **external opportunities** and requests.
- To facilitate the development of **more complete, accurate, and competitive grant proposals**.



# What R2D1 is NOT

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- NOT a physical property control system.
- NOT a replication of information in Faculty Activity Report.
- NOT something that faculty will be required to use, get credit for using, or be punished for not using.
- NOT a replacement for, or replication of, departmental/local Web sites (rather, it is a central, standardized directory of pointers to those pages)

# What Kinds of Resources Should Be Listed?

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- Resources that others outside of your department might want (to requests/negotiate) access to
- Services that others might want access to
- Capabilities that others might need to know about
- Any capability that you would want to be considered for inclusion in institutional responses to outside inquiries
- Anything that is unique (such as a unique interdisciplinary course)
- Capabilities that could lead to enhanced collaboration

# What Kinds of Resources Should NOT Be Listed

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- Commodities and supplies
- Common or standard office or lab equipment (printers, desktop computers, administrative departmental servers, golf carts)
- Courses that are only offered to students in your own department
- Resources that are too specialized or un-accessible to be of interest to others

# Glossary of Terms

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- **Entries** are records/listings in the R2D1 **Directory**.
- Each R2D1 **Entry** represents a corresponding real-world resource.
- Each real-world **Resource** should be represented by only 1 directory **Entry**.
- An Entry may have a 1 or 2 **Categories** that tell the what TYPE the real-world resource is. (*e.g., Instrumentation, Program*).
- An Entry may have zero or many **Applications** that tell what kinds of problems the corresponding real-world resource can address (*e.g., Energy Development, Space Exploration, Environmental Protection/ Remediation, etc.*)

# How to Log In

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[www.research.olemiss.edu/R2D1](http://www.research.olemiss.edu/R2D1)

UM Resource Directory [Home](#)

## Login


Please fill out the following form with your log  
*Fields with \* are required.*

**WebID/Username \***

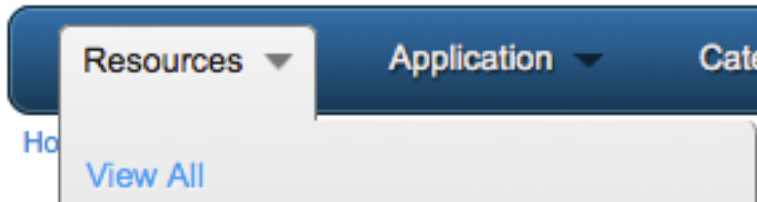
WebID/Username cannot be blank.

**Password \***

**Type \***

WebID 

# View All Resources



[All](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Displaying 1-10 of 3045 results.

## Filter Listing

Building

Organization

[+] Application

[+] Category

[+] Institution

[+] Origin Type

Apply Filter

### 25 inch Reflector Telescope

Category: *Instrumentation*

Edit

Summary

Add to Favorites

### 3 inch Supersonic Wind Tunnel Facility

Categories: *Facility or Laboratory, Instrumentation*

Edit

Summary

Add to Favorites

### 400 MHz Nuclear Magnetic Resonance (NMR) Spectrometers, 3 each

Category: *Instrumentation*

Edit

Summary

Remove from Favorites

### 500 MHz Nuclear Magnetic Resonance (NMR) Spectrometer

Edit

• [Show All Resources](#)

# View Summary of a Resource

Displaying 1-10 of 6670 results.

## 25 inch Reflector Telescope

Category: *Instrumentation*

Edit

Summary

Add to Favorites

## 3 inch Supersonic Wind Tunnel Facility

Categories: *Facility or Laboratory, Instrumentation*

Edit

Summary

Add to Favorites

## 400 MHz Nuclear Magnetic Resonance (NMR) Spectrometers, 3 each

Category: *Instrumentation*

Edit

Summary

Remove from Favorites

## 500 MHz Nuclear Magnetic Resonance (NMR) Spectrometer

Edit

# View Summary of a Resource

---

## 3 inch Supersonic Wind Tunnel Facility

[Edit](#)

Categories: *Facility or Laboratory, Instrumentation*

[Summary](#)[Add to Favorites](#)

### Description

Provides full-length glass walls for excellent flow visualization and optical measurements. Utilizes a 200 hp two-stage Roots vacuum pump to pull air through the test section at up to Mach 3.

### Institution:

University of Mississippi

### Academic Department/Unit

NATIONAL CENTER FOR PHYSICAL ACOUSTICS

### Building

JAMIE L. WHITTEN NATL CTR FOR PHY ACSTS

### Contacts

Primary: [NATHAN MURRAY](#)

Secondary:

### Last Update

01/09/2015

[Full Listing](#)



# View Summary of a Resource

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## 3 inch Supersonic Wind Tunnel Facility

[Edit](#)

Categories: *Facility or Laboratory, Instrumentation*

[Summary](#)[Add to Favorites](#)

### Description

Provides full-length glass walls for excellent flow visualization and optical measurements. Utilizes a 200 hp two-stage Roots vacuum pump to pull air through the test section at up to Mach 3.

### Institution:

University of Mississippi

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NATIONAL CENTER FOR PHYSICAL ACOUSTICS

### Building

JAMIE L. WHITTEN NATL CTR FOR PHY ACSTS

### Contacts

Primary: [NATHAN MURRAY](#)

Secondary:

### Last Update

01/09/2015

[Full Listing](#)

# View Full Listing of a Resource

## 3 inch Supersonic Wind Tunnel Facility

### Description

Provides full-length glass walls for excellent flow visualization and optical measurements. Utilizes a 200 hp two-stage Roots vacuum pump to pull air through the test section at up to Mach 3.

### Institution Name

University of Mississippi

### Organization Name

NATIONAL CENTER FOR PHYSICAL ACOUSTICS

### Last Update

10/06/2015

### Building Name

JAMIE L. WHITTEN NATL CTR FOR PHY ACSTS

### Contacts

Primary: [MURRAY, NATHAN](#)

### Location within Building

1111

Secondary:

### Urls

<http://ncpa.olemiss.edu/>

## Acknowledgements

Edit Applications

### Applications

#### Defense and Security

For aerodynamics testing

#### Transportation

For aerodynamics testing

Edit Categories

### Categories

#### Instrumentation

A sophisticated device, apparatus, or piece of equipment used for conducting science. For example, mass spectrometers, microscopes, telescopes, and vibrometers. Could also refer to a virtual instrument (such as a database).

# Categories

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An Entry may be associated with Categories

- A Category is the fundamental TYPE of a resource
- Most resources will have only 1 Category, some may have 2 or 3.

## CEQ 800 Genetic Analysis System

Category: *Instrumentation*

[Summary](#)

[Add to Favorites](#)

## Hydrography Dataset GIS Tool

Categories: *Collection/Repository*, *Decentralized IT Service*

[Summary](#)

[Add to Favorites](#)

# Categories

## Academic/Research Support

A service available to UM researchers, faculty, or students. For example, tutoring, grant reviews, or writing consultation.

Edit Category

Resources

## Animal Model

A collection of living, non-human animals for research and investigations of human disease.

Edit Category

Resources

## Collection/Repository

A physical or virtual collection of specimens, artifacts, data, etc. . For example, the Blues Archive, or the Pullen Herbarium.

Edit Category

Resources

## Community/Group

A formal or informal group of people organized for a common purpose. For example: the STEM Living Learning Community, the Quantum Chemistry Research Group, or the UM Climate Change Study Group. [NOTE: Names of individuals should NOT appear in the resource name, but may appear in the description.]

Edit Category

Resources

23 categories are defined in R2D1. Contact your Research Advocate or the R2D1 Super Administrators to suggest categories be added or merged.

# Categories (continued)

## Course

[Edit Category](#)

An academic course of interest beyond the offering department, such as a course offered for credit towards more than one program (such as one of the CME courses taken by both accounting and Mech Engr. students), a service course offered by one department for programs outside that department (e.g, Programming for Engineers taught in the CIS dept.), or one of some particular application interest (e.g., energy).

[Resources](#)

## Entity

[Edit Category](#)

This is a category of resources from SAP. Will probably not be used to create resources with this tool.

[Resources](#)

## Expert

[Edit Category](#)

A faculty, staff member, or even a student, who has demonstrable competence or expertise in an area of potential interest or benefit to a larger community. For example, peer-reviewed publications in one or more scientific (sub)disciplines; fluency in a foreign language; mastery of a musical instrument; possession of an amateur radio license; etc. Each person should have a maximum of one Expert listing, which can include several "expertise" areas in the same description field.

[Resources](#)

## Facility or Laboratory

[Edit Category](#)

A Facility or Laboratory is a physical space, on the scale of a room, but smaller than a building, that has a designated purpose. Laboratories should not be named after individual faculty members who control them.

[Resources](#)

# Categories (continued)

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## Funding Opportunity

[Edit Category](#)

An internal or external program of funding for projects, especially one of particular institution-level interest, including recurring Limited Submissions. For example, externally, the NSF IGERT program, the NASA EPSCoR Program, or the NIH High End Instrumentation program. Internally, the ORSP Faculty Travel Grants Program.

[Resources](#)

## Instrumentation

[Edit Category](#)

A sophisticated device, apparatus, or piece of equipment used for conducting science. For example, mass spectrometers, microscopes, telescopes, and vibrometers. Could also refer to a virtual instrument (such as a database).

[Resources](#)

## Internship or Fellowship

[Edit Category](#)

Summer or longer opportunity for students to gain real-world experiences for pay.

[Resources](#)

## Other IT Service

[Edit Category](#)

A computing service or product that is NOT provided or mediated by the UM Office of Information Technology (OIT), for instance a departmentally maintained Web application, a departmental software license, or a third party cloud service whose contract is not managed by OIT.

[Resources](#)

# Categories (continued)

## Other Organized Research Unit (ORU)

[Edit Category](#)

An other ORU is an institutionally recognized organization that provides interdisciplinary or inter-institutional research or support infrastructure for a given purpose, but that is not listed as an SAP Organization. For example, the Mississippi Research Consortium (MRC) or the Gulf of Mexico Hydrates Research Consortium.

[Resources](#)

## Other Program

[Edit Category](#)

An ongoing, organized activity that someone is in charge of, and that doesn't fall within another category or Origin type. A program might spawn a series of projects.

[Resources](#)

## Outreach & Public Engagement

[Edit Category](#)

A means or opportunity for engaging or educating constituents outside of UM, such as K-12 teachers and students; families; specific professional organizations; and the general public.

[Resources](#)

## Professional Service

[Edit Category](#)

A service that is available and advertised for a regular fee. For example, photography services, or lab sample analyses.

[Resources](#)

## Project

[Edit Category](#)

An activity with a specific purpose, a begin date, and an ending. Could be an externally sponsored program project, but doesn't have to be.

# Categories (continued)

## Shop

For example, machine shops, electrical shops, sign shops, paint shops, etc.

Edit Category

Resources

## Stockroom

Storage and stock rooms, especially those housing materials used for research.

Edit Category

Resources

## Training & Professional Development

An extracurricular (not-for-university-credit) training or professional development opportunity. For example, the MCSR Computational Chemistry Camp; HR's Training on Demand; HR's STEPS Seminars; and the Library's Plagiarism Video.

Edit Category

Resources

## Undergraduate Research Opportunity

A program, lab, or opportunity for undergraduate students to conduct research under the supervision of a faculty/researcher. For example, the Ole Miss Physical Chemistry Research Program.

Edit Category

Resources

## Visiting Scholar

Edit Category

Resources



# Applications

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An Application is a societal problem, challenge, or interest area to which a resource may be applied.

- Each Entry may be associated with zero to many Applications
- Associating an Entry with an Application allows:
  - ORSP and other central entities to quickly identify all resources/capabilities associated with an interest area
  - UM researches to find and collaborate with one another to address interdisciplinary challenges, and to organize and respond quickly to problem-based funding opportunities and current events (e.g., disasters)
  - Resources to be listed once, but described in customized, institutionally vetted/standardized ways to diverse stakeholders (economic developers, media, etc.)

# Applications

Application ▼ Category ▼ Search Resources ▾

An Application refers to more general societal problem, challenge, or interest area to which a resource might be applied. [...]

Advanced Manufacturing	Legal/Regulatory
Aerospace	Materials
Agribusiness	Media
Automotive	Microscopy
Cancer	Mississippi Delta
Child Welfare	Molecular Biology
Creative Economy	National Intelligence
Defense and Security	Obesity
Diabetes	Ocean Science
Disaster and Emergency	Outreach and Public Engagement
Drug Discovery	Poverty
Economic or Community Development	Race and Ethnicity
Energy Exploration and Development	Renewable Energy (DEPRECATED)
Environment and Sustainability	Service Center
Environmental Chemistry	Shared Use Opportunity
Gender	Ship Building
Gulf of Mexico	Space Exploration
Healthcare	STEM Education
Infectious Disease	Transportation
K-12 Education	Undergraduate Research
Leadership	Water

42 Applications are defined in R2D1.

Contact your Research Advocate

or the R2D1 Super Administrators

to suggest new Applications.

# To Go Back to Resource Listing: *Back to Search*

Resources ▾ Application ▾ Category ▾ Search Resources ▾

[← Back to search](#) | [Home](#) » Viewing Resources

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**Resource Name**

## 3 inch Supersonic Wind Tunnel Facility

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**Description**  
Provides full-length glass walls for excellent flow visualization and optical measurements. Utilizes a 200 hp two-stage Roots v... pull air through the test section at up to Mach 3.

<b>Institution Name</b> University of Mississippi	<b>Organization Name</b> NATIONAL CENTER FOR PHYSICAL ACOUSTICS	<b>Last Update</b> 10/06/2015
<b>Building Name</b> JAMIE L. WHITTEN NATL CTR FOR PHY ACSTS	<b>Contacts</b> Primary: <a href="#">MURRAY, NATHAN</a>	
<b>Location within Building</b> 1111	Secondary:	

**Urls**  
<http://ncpa.olemiss.edu/>

# Back to Search

Takes you back to the listing you were viewing before you viewed the full listing.

The screenshot shows a search results page with a dark blue header. On the left, there are three dropdown menus labeled "Resources", "Application", and "Category". To the right of these is a search bar with the text "Search Resources" and a search icon. Below the header, a breadcrumb trail reads "Home » Viewing Resources". A horizontal row of circular buttons contains letters from "A" to "W", with "All" highlighted. On the right side of this row, it says "Displaying 1-10 of 225".

On the left side, there is a "Filter Listing" sidebar with three dropdown menus: "Building", "Organization", and "Application". Below these are four expandable sections: "Application", "Category", "Institution", and "Origin Type". At the bottom of the sidebar is a blue "Apply Filter" button.

The main content area displays three resource listings, each in a rounded rectangular box:

- 25 inch Reflector Telescope**  
Category: *Instrumentation*  
Buttons: Summary, Add to Favorites
- 3 inch Supersonic Wind Tunnel Facility**  
Category: *Instrumentation*  
Buttons: Summary, Add to Favorites
- 400 MHz Nuclear Magnetic Resonance (NMR) Spectrometers, 3 each**  
Category: *Instrumentation*  
Buttons: Summary, Remove from Favorites

# To Start Over: *Home*

Resources ▾

Application ▾

Category ▾

Search Resources ▾

[← Back to search](#) | [Home](#) » Viewing Resources

## Resource Name

# 25 inch Dobsonian reflector telescope

### Description

a 25 inch diameter, (f/5) Obsession model Dobsonian reflector telescope

### Institution Name

University of Mississippi

### Organization Name

PHYSICS & ASTRONOMY

### Last Update

09/09/2013

### Building Name

KENNON OBSERVATORY

### Contacts

Primary: [DON SUMMERS](#)

### Location within Building

Secondary: [TIBOR TORMA](#)

### Urls

[http://www.phy.olemiss.edu/Astro/telescope\\_details.html](http://www.phy.olemiss.edu/Astro/telescope_details.html)

# Home

Forgets the listing you were looking at; takes you back to home page to view ALL RESOURCES, as if you just logged in.

The screenshot shows a web application interface. At the top, there is a dark blue navigation bar with the following elements: 'Resources' with a dropdown arrow, 'Application' with a dropdown arrow, 'Category' with a dropdown arrow, and a search box labeled 'Search Resources' with a dropdown arrow. Below the navigation bar, the breadcrumb 'Home' is highlighted with a red box, followed by 'Viewing Resources'. A horizontal row of circular buttons contains letters from 'A' to 'W' and a blue 'All' button. On the right side of this row, it says 'Displaying 1-10 of 225'. On the left side, there is a 'Filter Listing' section with three dropdown menus: 'Building', 'Organization', and 'Application'. Below these are four expandable filter categories: 'Application', 'Category', 'Institution', and 'Origin Type'. A blue 'Apply Filter' button is at the bottom of the filter section. The main content area displays three resource cards. The first card is titled '25 inch Reflector Telescope' with category 'Instrumentation' and buttons for 'Summary' and 'Add to Favorites'. The second card is titled '3 inch Supersonic Wind Tunnel Facility' with category 'Instrumentation' and buttons for 'Summary' and 'Add to Favorites'. The third card is titled '400 MHz Nuclear Magnetic Resonance (NMR) Spectrometers, 3 each' with category 'Instrumentation' and buttons for 'Summary' and 'Remove from Favorites'.

Resources ▾ Application ▾ Category ▾ Search Resources ▾

Home ▾ Viewing Resources

All 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W

Displaying 1-10 of 225

**Filter Listing**

Building

Organization

Application

Category

Institution

Origin Type

Apply Filter

**25 inch Reflector Telescope**  
Category: *Instrumentation*  
Summary Add to Favorites

**3 inch Supersonic Wind Tunnel Facility**  
Category: *Instrumentation*  
Summary Add to Favorites

**400 MHz Nuclear Magnetic Resonance (NMR) Spectrometers, 3 each**  
Category: *Instrumentation*  
Summary Remove from Favorites

# Where Do Resource Directory Entries Originate?

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Some entries are manually entered by **R2D1 Users**.

- **Individual Faculty or Researchers** *who request admin accounts may enter/maintain entries for resources they control (such as an instrument or an outreach capability) or for which they are listed as primary or secondary points of contact.*
- **Designated Representatives** *employees on behalf of their departments, schools, centers, or administrative offices. For example, an assistant dean may enter resources on behalf of a school, or an admin. assistant may do so for a department. These designated representatives will often be listed as points of contact.*
- **ORSP Research Advocates** *ORSP Program Development Specialists may create/edit directory resource entries on behalf of, or in consultation with, their clients*
- **ORSP Management Team** *Director of Research Resources and Director of Sponsored Programs Administration can create/edit all entries.*

# Where Do Resource Directory Entries Originate?

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Many entries are pre-imported from SAP.

- **Organizations** *Ex. Career Center; Center for Excellence in Teaching & Learning; Media & Public Relation; Staff Council. 289 Organizations*
- **Committees** *Ex. Accessibility; Graduate Council; Library Council; 236 Committees*
- **Buildings** *Ex. Barnard Hall; Data Center; Paris-Yates Chapel. 203 Buildings*
- **UM IT Services** *Ex. Analytics Reporting; Anti-Virus Software; Course Registration; myOleMiss; SPSS; Supercomputer Accounts; 168 Services.*
- ~~**Expertise** *(from Faculty Experts Guide)*~~
- **Other Entities** *Ex. Allies; Elsie M. Hood Award; Green Initiative. 357 entities.*

R2D1 administrative users may assign categories, applications, and other attributes to SAP-originated entries.



# Origin Type: SAP

## Filter Listing

Building

Organization

[+] Application

[+] Category

[+] Institution

[-] Origin Type

- SAP Building
- SAP Committee
- SAP Entity
- ~~SAP Expertise~~
- UM IT Service
- SAP Organization
- Directory User

Apply Filter

ACADEMIC COMMON MARKET SAP Entity

Summary Add to Favorites

~~ACADEMIC COMPUTING SAP Expertise~~

~~Summary Add to Favorites~~

ACADEMIC COMPUTING SAP Organization

Summary Add to Favorites

Academic Council Workflow UM It Service

Summary Add to Favorites

ACADEMIC DISCIPLINE SAP Committee

Summary Add to Favorites

ACCELERATOR SAP Building

Summary Add to Favorites

# Origin Type: Directory User

## Filter Listing

Building

Organization

[+] Application

[+] Category

[+] Institution

[-] Origin Type

- SAP Building
- SAP Committee
- SAP Entity
- ~~SAP Expertise~~
- UM IT Service
- SAP Organization
- Directory User

Apply Filter

### Brookfield Viscometer

Category: *Instrumentation*

Summary

Add to Favorites

### Bryophyte and Lichen Collection

Category: *Collection/Repository*

Summary

Add to Favorites

### Carol Britson

Category: *Expert*

Summary

Add to Favorites

# View Resources Starting with a Given Letter....

Click the letter of interest along the top row.

Resources ▾ Application ▾ Category ▾ Search Resources  Go

Home » Viewing Resources

All 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S **T** U V W X Y Z

Displaying 1-10 of 2909 results.

**Filter Listing**

Building

Organization

[+] Application

[+] Category

**25 inch Dobsonian reflector telescope**  
Category: *Instrumentation*  
Summary Remove from Favorites

**400 MHZ Nuclear Magnetic Resonance and Mass Spectrometer**  
Category: *Instrumentation*  
Summary Add to Favorites

# View Resources Starting with a Given Letter....

---

Click the letter if interest along the top row.

8 9 A B C D E F G H I J K L M N O P Q R S **T** U V W X Y Z

Displaying 1-10 of 106 results.

**TACIT - Faculty Computer Replacement Program** UM It Service  
[Summary](#) [Add to Favorites](#)

**TAD SMITH COLISEUM** SAP Building  
[Summary](#) [Add to Favorites](#)

**TAIWANESE STUDENT ASSOCIATION** SAP Entity  
[Summary](#) [Add to Favorites](#)

**Tamar Liberman Goulet**  
Category: *Expert*  
[Summary](#) [Add to Favorites](#)

# To Browse Forward or Backward within a Listing

---

Scroll to bottom of screen, and click the numbers or arrows.

## Thad Cochran Research Center Screening Database

Category: *Collection/Repository*

[Summary](#)

[Add to Favorites](#)

## Thad Cochran Research Center Screening Labs

Categories: *Facility or Laboratory, Instrumentation*

[Summary](#)

[Add to Favorites](#)

Go to page:

[<< First](#)

[< Previous](#)

[1](#)

[2](#)

[3](#)

[4](#)

[5](#)

[6](#)

[7](#)

[8](#)

[9](#)

[10](#)

[Next >](#)

[Last >>](#)

# View Resources by Category

Selected the desired Category from the Category Drop-down

The screenshot shows a web application interface with a dark blue header. On the left, there is a navigation menu with a dropdown arrow next to the word "Application". In the center of the header is a search bar with the text "Search Resources" and a "Go" button to its right. Below the search bar, a "Category" dropdown menu is open, displaying a list of resource categories. The categories are arranged in two columns. The first column includes: Academic/Research Support, Building, Collection/Repository, Community/Group, Course, Decentralized IT Service, Entity, Event, Expert, Facility or Laboratory, and Funding Opportunity. The second column includes: Instrumentation, Organized Research Unit (ORU), Outreach, Professional Service, Program, Project, Shop, Stockroom, Training, Undergraduate Research Opportunity, and Visiting Scholar. A descriptive text "A Category is a basic type of resource. [...]" is positioned above the list. In the background, a sidebar on the left shows a list of resource items, each with a "Summary" button. The first item is titled "25 inch" and the second is "400 MH".

Application ▾

Category ▾

Search Resources ▾

Go

A Category is a basic type of resource. [...]

Academic/Research Support	Instrumentation
Building	Organized Research Unit (ORU)
Collection/Repository	Outreach
Community/Group	Professional Service
Course	Program
Decentralized IT Service	Project
Entity	Shop
Event	Stockroom
Expert	Training
Facility or Laboratory	Undergraduate Research Opportunity
Funding Opportunity	Visiting Scholar

25 inch  
Category: /  
Summary

400 MH  
Category: /  
Summary

# View Resources by Category

---

List will only include user-originated resource entries in that category (e.g. Collection/Repository).

## Categories

### Collection/Repository

A physical or virtual collection of specimens, artifacts, data, etc. . For example, the Blues Archive, or the Pullen Herbarium.

#### Bryophyte and Lichen Collection

Category: *Collection/Repository*

Edit

Summary

Add to Favorites

#### Fundulus Breeding Colony

Category: *Collection/Repository*

Edit

Summary

Add to Favorites

#### Hydrography Dataset GIS Tool

Categories: *Collection/Repository, Other IT Service*

Edit

# View Resources by Application

Select the desired Application from the Application Drop-Down

The screenshot shows a web application interface with a dark blue header. The header contains the text 'Resources' with a dropdown arrow, 'Application' with a dropdown arrow, and 'Category' with a dropdown arrow. To the right of these is a search box labeled 'Search Resources' with a magnifying glass icon and a dropdown arrow. Below the header, there is a breadcrumb trail 'Home » Viewing Resources'. A navigation bar contains buttons labeled 'All', '1', '2', '3', '4', and '5'. Below this is a section titled 'Filter Listing' with a sub-section 'Building'. A 'Organization' section is partially visible. The 'Application' dropdown menu is open, displaying a list of applications. A tooltip is visible over the 'Application' dropdown, containing the text: 'An Application refers to more general societal problem, challenge, or interest area to which a resource might be applied. [...]'. The list of applications includes: Advanced Manufacturing, Art, Cancer, Defense and Security, Diabetes, Disaster and Emergency (highlighted in blue), Drug Discovery, Economic or Community Development, Energy Development, Environmental Protection, Gulf of Mexico, Mississippi Delta, National Intelligence, Obesity, Ocean Science, Outreach and Public Engagement, Performance, Poverty, Recreation, Renewable Energy, Service Center, and Smoking/Tobacco.

Resources ▾ Application ▾ Category ▾ Search Resources ▾

Home » Viewing Resources

All 1 2 3 4 5

**Filter Listing**

Building

Organization

Application

Category

An Application refers to more general societal problem, challenge, or interest area to which a resource might be applied. [...]

Advanced Manufacturing	Mississippi Delta
Art	National Intelligence
Cancer	Obesity
Defense and Security	Ocean Science
Diabetes	Outreach and Public Engagement
<b>Disaster and Emergency</b>	Performance
Drug Discovery	Poverty
Economic or Community Development	Recreation
Energy Development	Renewable Energy
Environmental Protection	Service Center
Gulf of Mexico	Smoking/Tobacco



# View Resources by Application

Only resource entries with the selected application will be listed.

## Applications

### Disaster and Emergency

Disaster prevention, mitigation, remediation, and management, and emergency preparedness and response.

**All** 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Displaying 1-10 of 19 results.

#### Filter Listing

Building

Organization

**[-] Application Listing**

Disaster and Emergency

**[+] Category**

**[+] Institution**

**[+] Origin Type**

Apply Filter

#### CENTER FOR COMM EARTHQUAKE PREPAREDNESS

Edit

SAP Organization

Categories: *Expert, Other Organized Research Unit (ORU)*

Summary

Add to Favorites

#### Craig Hickey

Edit

Category: *Expert*

Summary

Add to Favorites

#### Daniel Kleinert, Jr

Edit

Category: *Expert*

Summary

Add to Favorites

#### Decision Support System for Water Infrastructural Security

# View Resources by Origin Type

## Filter Listing

Building

Organization

[+] Application

[+] Category

[+] Institution

[-] Origin Type

- SAP Building
- SAP Committee
- SAP Entity
- SAP Expertise
- UM IT Service
- SAP Organization
- Directory User

Apply Filter

Find the Filter Listing section on the left.

Click the + beside Origin Type to see choices.

Select the Origin Type(s) to include in list.

Select Apply Filter.

# View Resources by Origin Type

---

Only resource entries with the selected Origin will be listed.

Displaying 1-10 of 168 results.

## Academic Council Workflow UM It Service

[Summary](#)

[Add to Favorites](#)

## Academic Discipline UM It Service

[Summary](#)

[Add to Favorites](#)

## Academic Programs and Catalog UM It Service

[Summary](#)

[Add to Favorites](#)

## Access or Reactivate Mathematica, MATLAB, SPSS, XWin32, or ChemDraw UM It Service

[Summary](#)

[Add to Favorites](#)

# Exercise Using Filters to Narrow the Listing

---

Assignment: View all resource entries in the

Instrumentation category

that have an

Environmental Chemistry application

# Exercise Using Filters to Narrow the Listing

## Filter Listing

Building

Organization

[+] Institution

[+] Origin Type

Apply Filter

### [-] Application

- Advanced Manufacturing
- Aerospace
- Agribusiness
- Automotive
- Cancer
- Child Welfare
- Creative Economy
- Defense and Security
- Diabetes
- Disaster and Emergency
- Drug Discovery
- Economic or Community Development
- Energy Exploration and Development
- Environment and Sustainability
- Environmental Chemistry
- Gender

### [-] Category

- Academic/Research Support
- Animal Model
- Collection/Repository
- Community/Group
- Course
- Entity
- Expert
- Facility or Laboratory
- Funding Opportunity
- Instrumentation
- Internship or Fellowship

# Exercise Using Filters to Narrow the Listing: Results

Displaying 1-7 of 7 results.

## Filter Listing

Building

Organization

Application

- Advanced Manufacturing
- Aerospace
- Agribusiness
- Automotive
- Cancer
- Child Welfare
- Creative Economy
- Defense and Security
- Diabetes
- Disaster and Emergency
- Drug Discovery
- Economic or Community Development
- Energy Exploration and Development

### Chromatograph, Ion, Dionex DX 500

Category: *Instrumentation*

[Summary](#)

[Add to Favorites](#)

[Edit](#)

### Elemental Analysis CHN Platform (Perkin Elmer 5400)

Category: *Instrumentation*

[Summary](#)

[Add to Favorites](#)

[Edit](#)

### Inductively Coupled Plasma Mass Spectrometer (ICP-MS), Thermo Fisher Element-XR

Category: *Instrumentation*

[Summary](#)

[Add to Favorites](#)

[Edit](#)

### Inductively Coupled Plasma Mass Spectrometer (ICP-MS), Thermo Fisher X-Series 2

Category: *Instrumentation*

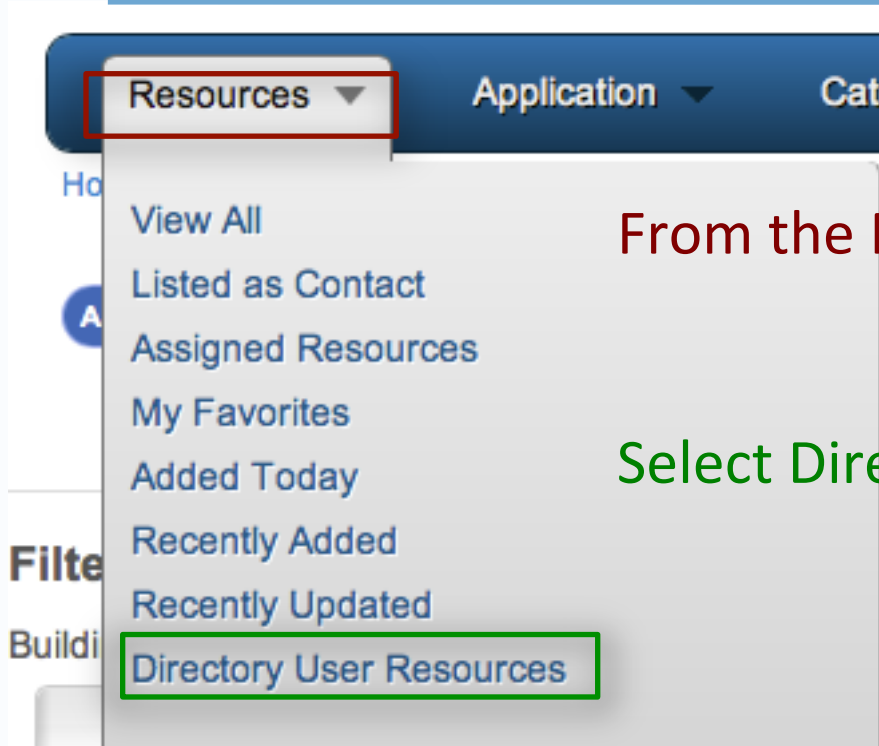
[Summary](#)

[Add to Favorites](#)

[Edit](#)

### Inductively Coupled Plasma Spectrometer Perkin Elmer

# View Directory User Originated Resources



From the Resources Drop-down

Select Directory User Resources

# View Directory User Originated Resources

---

Only resource entries that have been created by R2D1 users will be listed (not SAP-originated entries.)

Displaying 1-10 of 492 results.

## 25 inch Reflector Telescope

Category: *Instrumentation*

Edit

Summary

Add to Favorites

## 3 inch Supersonic Wind Tunnel Facility

Categories: *Facility or Laboratory, Instrumentation*

Edit

Summary

Add to Favorites

## 400 MHz Nuclear Magnetic Resonance (NMR) Spectrometers, 3 each

Category: *Instrumentation*

Edit

Summary

Remove from Favorites



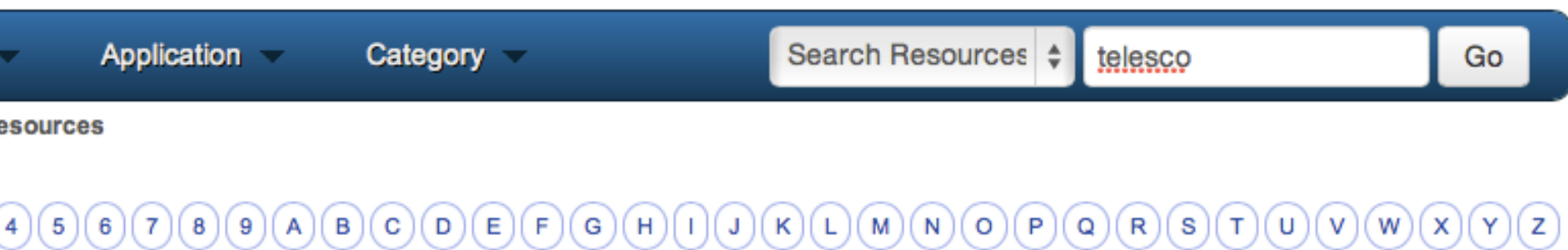
# Search Directory for Resources

---

Type the search string in the text box beside the “Search Resources” drop-down, then click “Go”.

Search algorithm finds exact text matches, not concept matches.

So, to find listings with the word “telescope”, “telescopes”, or “telescopy”, just type the string with characters that are common to all three words: “telesco”



The screenshot shows a search interface with a dark blue header. On the left, there are two dropdown menus labeled "Application" and "Category". In the center, there is a search bar with a dropdown menu labeled "Search Resources" and a text input field containing the text "telesco". To the right of the input field is a "Go" button. Below the search bar, the word "resources" is partially visible. At the bottom of the image, there is a navigation bar consisting of a row of circular buttons labeled with the numbers 4 through 9 and the letters A through Z.

# Search Directory for Resources

---

Only resource entries that match the search criteria will be listed.

## 25 inch Dobsonian reflector telescope

Category: *Instrumentation*

Edit

Summary

Add to Favorites

## Grubb Twin Equatorial Telescope

Category: *Instrumentation*

Edit

Summary

Add to Favorites

## Portable Telescopes

Category: *Instrumentation*

Edit

Summary

Add to Favorites

## Schmidt-Cassegrian reflector telescope

Category: *Instrumentation*

Edit

Summary

Add to Favorites

## TELESCOPES SAP Expertise

Edit

# Search Directory for Resources: Exercise

---

Search for yourself in the directory.

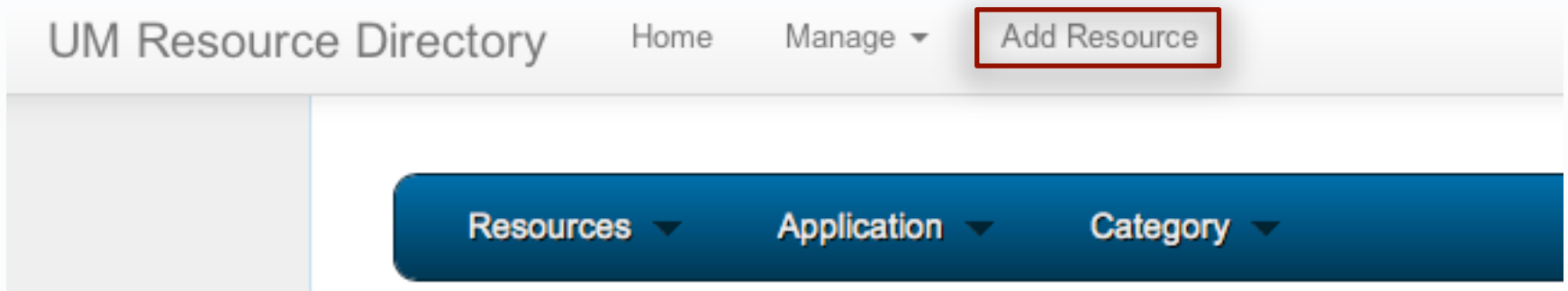
- Click Home to view all entries.
- Type your last name in the search field.
- Click Go.

Did you find yourself? If so, edit your entry.  
If not, add a Resource.

# Add a New Resource

---

Select “Add Resource”



If you don't see an “Add Resource” link near the “Home” link, contact your ORSP Research Advocate and request to have your WebId/account authorized as an R2D1 Administrators.

# Creating Resource

---

*Fields with \* are required.*

Save

**Resource Name \***

Enter a short, descriptive name, general a noun phrase.

**Description**

Description should not just be a repeat of the name, but should provide additional details, including any key words that you want to be able to search on.

**Url**

Type the Web address of the "web page of record" for this resource. For instance, a departme

**Institution \***

University of Mississippi

# Edit an Existing Resource

Search to find the resource in the listing and click “Edit”

The screenshot shows a web interface for viewing resources. At the top, there is a navigation bar with dropdown menus for 'Resources', 'Application', and 'Category'. A search bar labeled 'Search Resources' contains the text 'Gladden', and a 'Go' button is to its right. Below the search bar, the breadcrumb 'Home » Viewing Resources' is visible. A horizontal menu of circular buttons contains letters from 'A' to 'Z' and 'All', with 'All' selected. On the right side, it says 'Displaying 1-4 of 4 results'. On the left, a 'Filter Listing' section includes dropdown menus for 'Building' and 'Organization', and expandable sections for 'Application', 'Category', 'Institution', and 'Origin Type'. The main content area displays three resource cards. The first card is for 'Joseph Gladden (Josh)', with category 'Expert', and includes buttons for 'Summary' and 'Add to Favorites'. The second card is for 'National Spectrum Consortium (NSC)', with category 'Other Organized Research Unit (ORU)', and includes buttons for 'Summary' and 'Add to Favorites'. The third card is for 'Physical Acoustics Group', with category 'Community/Group', and includes buttons for 'Summary' and 'Add to Favorites'. Each card has an 'Edit' button in the top right corner.

Resources ▾ Application ▾ Category ▾ Search Resources ▾ Gladden Go

Home » Viewing Resources

All 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y

Displaying 1-4 of 4 results

**Filter Listing**

Building

Organization

[+] Application

[+] Category

[+] Institution

[+] Origin Type

**Joseph Gladden (Josh)** [Edit](#)  
Category: *Expert*  
[Summary](#) [Add to Favorites](#)

**National Spectrum Consortium (NSC)** [Edit](#)  
Category: *Other Organized Research Unit (ORU)*  
[Summary](#) [Add to Favorites](#)

**Physical Acoustics Group** [Edit](#)  
Category: *Community/Group*  
[Summary](#) [Add to Favorites](#)

# Edit a Resource

Attributes

Application

Category

History

Search Hits

Change Status

## Joseph Gladden (Josh)

Fields with \* are required.

Save

Resource Name \*

Joseph Gladden (Josh)

Description

Associate Professor of Physics, Director of the National Center for Physical Acoustics, Interim Associate Vice Chancellor for Research and Sponsored Programs, & Materials Physics Group Leader at NCPA. Dr. Gladden is an expert in acoustic methods to answer fundamental materials physics questions. His research projects have focused on mechanical properties in extreme environments such as high temperatures and pressures using resonant ultrasound spectroscopy. Recent project include verification of a theoretical prediction for metallic hydride systems and critical phenomena in novel thermoelectric such as silicon germanium, lanthanum telluride, and strontium titanate, as well as development of

# Add/Edit a Resource: *Entering attributes*

## Search Organizations

### Organization

Select the department, school, center, or office that is *in charge of* this resource.

Select Organization

## Contacts

Contacts are the people who should be contacted to inquire about or request access to the resource. They will also have *edit privileges* for this resource in R2D1.

## Search for Primary

### Primary Contact

Select Primary

Primary will often be the faculty member or administrator most *directly responsible* for the resource.

## Search for Secondary

### Secondary Contact

Select Secondary

Secondary will often be a staff member or administrative support person who has been *authorized and designated to edit resources* behalf of an entire department, center, or school.

Contacts are listed alphabetically by last name. If the contact you are looking for is not there, contact your ORSP Research Advocate and request that they be added.



# Add/Edit a Resource: *Entering attributes*

---

## Location Details

### Search Buildings

#### Building

If applicable, select the building where this resource, or the person/unit responsible for it, resides.

Select Building

#### Location within Building

Enter the floor or room number where this resource can be found, if applicable/appropriate.

#### Acknowledgements

*resource was paid for in part by a grant, donation, etc*

For example, "This instrument was made possible by a donation from John and Jane Smith"

Save

Remember to click Save.

# Add/Edit a Resource: *Editing applications*

## Acknowledgements

Edit Applications

### Applications

#### Advanced Manufacturing

Novel materials characterization for use in extreme work environments

#### Energy Exploration and Development

Novel thermoelectric materials with the ability to turn a temperature gradient into electrical power with no moving parts.

#### Materials

Novel materials characterization for use in extreme work environments.

#### Transportation

Edit Categories

### Categories

#### Expert

A faculty, staff member, or even a student, who has demonstrable competence or expertise in an area of potential interest or benefit to a larger community. For example, peer-reviewed publications in one or more scientific (sub)disciplines; fluency in a foreign language; mastery of a

# Applications

---

Applications are a way of associating resources with a variety of societal problems, challenges, or broad (interdisciplinary) interest areas they might contribute to.

Applications may be used to:

- Institutional respond to external requests about capabilities:  
Ex. “Please tell us all of UM’s capabilities related to Oil Spill research and remediation”.
- Organize institutional responses to proactive approaches to cross-cutting issues:  
Ex. Putting together a team and/or proposal to investigate innovative approaches to treating depression, cancer, obesity, etc.

# Edit a Resource: *Selecting applications*

Attributes

**Application**

Category

## Anechoic Jet Laboratory at NCPA

### APPLICATIONS

**Advanced  
Manufacturing**

Cancer

Creative Economy

Defense and Security

Diabetes

Disaster and  
Emergency

Drug Discovery

Economic or  
Community

Development

Energy Development

**Advanced Manufacturing** [\[back to top\]](#) [\[Save All Changes\]](#)

Assign to Resource

UNKNOWN 

**Cancer** [\[back to top\]](#) [\[Save All Changes\]](#)

Assign to Resource


UNKNOWN 

# Edit a Resource: *Selecting applications*

---

## Defense and Security [\[back to top\]](#) [\[Save All Changes\]](#)

Assign to Resource

Application Suggested Description


The anechoic jet laboratory at NCPA can be used to evaluate of temperature effects on supersonic jets including military jets, and for designing and machining better nozzles for jet engines. Can also be sued for characterizing jet noise and thereby informing the design of military jets that are less noisy. This laboratory can also be used to measure the aerodynamic properties of tiny model projectiles in order to inform the modeling and design of more aerodynamic military missiles.

# Edit a Resources: *Selecting applications: saving*

---

## Renewable Energy [\[back to top\]](#) [Save All Changes]

### Assign to Resource

### Application Suggested Description

The anechoic jet laboratory at NCPA can be used to inform the creation of more aerodynamic and there for more energy-efficient jets and missiles that.

# Applications

---

Applications should be chosen thoughtfully and descriptions composed using language that will be understandable by the target audience/community.

For Expert entries, you might want to list a few recent publications/products relevant to the Application .

ORSP administrators will review and collaboratively edit the suggested language to ensure that:

- It is understandable to a non-technical audience
- It uses terms recognizable by those knowledgeable about the issues
- It is technically accurate

Includes 7 Target Industries of the Mississippi Development Authority (MDA)

- Advanced Manufacturing
- Aerospace
- Agribusiness
- Automotive
- Energy
- Healthcare
- Shipbuilding

# Edit a Resource: *Editing categories*

---

**Attributes**

**Application**

**Category**

Save

**Academic/Research Support**

A service available to UM researchers, faculty, or students. For example, tutoring, grant reviews, or writing consultation.

**Collection/Repository**

A physical or virtual collection of specimens, artifacts, data, etc. . For example, the Blues Archive, or the Pullen Herbarium.

**Community/Group**

A formal or informal group of people organized for a common purpose. For example: the STEM Living Learning Community, the Research Group, or the UM Climate Change Study Group. [NOTE: Names of individuals should NOT appear in the resource description.)

**Course**

An academic course of interest beyond the offering department, such as a course offered for credit towards more than one program.



# Add a New Resource: *Selecting categories*

---

**Training & Professional Development**

An extracurricular (not-for-university-credit) training or professional development opportunity. Examples include Training on Demand; HR's STEPS Seminars; and the Library's Plagiarism Video.

**Undergraduate Research Opportunity**

A program, lab, or opportunity for undergraduate students to conduct research under the Physical Chemistry Research Program.

**Visiting Scholar**

Save

Remember to click Save.

# Z-Resources

---

Resources entries whose names begin with the letter “z” have names, descriptions, attributes, categories, or applications have been entered by an R2D1 novice and need to be “approved” by an R2D1 “expert”



Displaying 61-70 of 164 results.

## zz Test Resource 66

Edit

Summary

Add to Favorites

## zz-ConvertToExpert - Electrochemical Processing of Waste

Edit

Categories: *Collection/Repository, Expert*

Summary

Add to Favorites

## zzAmericorps VISTA program

Edit

Category: *Outreach & Public Engagement*

Summary

Add to Favorites

# Example

---


Reuters news article on 2/24 says GE plans to spend another \$10B on energy research by 2020 to advance waterless fracking and gas turbine efficiency.

## Exclusive: GE to spend another \$10 billion on energy research by 2020

BY ERNEST SCHEYDER

Mon Feb 24, 2014 6:12am EST

0 COMMENTS

 Tweet 109

 Share 47

 Share this  8

 Email  Print



General Electric employee Jim Jones assembles a GE90 engine at the GE Aviation Peebles Test Operations Facility in Peebles, Ohio, November 15, 2013.

CREDIT: REUTERS/MATT SULLIVAN

# Example #2

## US Hospitals Have Had 68 Ebola Scares, CDC Says

Aug 20, 2014, 10:23 AM ET

By SYDNEY LUPKIN via **WORLD NEWS**

 Like 346  share 215  Tweet 423  +1 9 |   71 Comments 



Medical personnel are pictured wheeling a patient in this stock image.

Sam Edwards/Getty Images

# Example of Using R2D1

---

## WATERLESS FRACKING

GE wants to explore how to use economically use CO2 (or propane) instead of water for fracking

- collect CO2 at the wellhead, recycle it, frack again, and repeat
- A key challenge will be to help the CO2 carry proppant, a type of sand that holds open the cracks in rock so oil and natural gas can escape, much like water does in current methods.

## GAS TURBINE EFFICIENCY

- GE also wants to boost the efficiency of its natural gas-powered turbines to 65 percent from today's 62 percent.
- The company believes its existing research into jet engine efficiency could help significantly reach this goal
- The company plans to study how to make wind turbine blades cheaper and more efficient through the use of different composite materials

# Use

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Look for resources from your area. If they are not there, create them (or contact your ORSP Research Advocate/ Program Development Specialist). If they are wrong/ incomplete, fix them, or contact your Research Advocate.

E-mail Jason Hale ([jghale@olemiss.edu](mailto:jghale@olemiss.edu)) to:

- Report bugs
- Request enhancements
- Ask questions