CATALOGING RESOURCES and NEEDS for UM FLAGSHIP CONSTELLATIONS with the Research Resources Directory (R2D1)

Jason Hale
October 11, 2017
What is the Research Resources Directory (R2D1)?

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?

• 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**

- 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?

- Resources that others outside of your department might want access
- Capabilities you want others to know about
- Any capability that you would want to be considered for inclusion in institutional responses to outside inquiries
- Unique resources (e.g., a unique interdisciplinary course)
- Capabilities that could lead to enhanced collaboration
What Kinds of Resources Should **NOT** Be Listed

- Commodities and supplies
- Common or standard office or lab equipment (printers, desktop computers, golf carts, etc.)
- Courses that are only offered within your own department
- Resources that are too specialized or un-accessible to be of interest to others
What Kinds of **NEEDS** Should Be Listed?

- Needs that institutional leaders and administrators should know about so that they can help direct resources or seek funding sources to meet these needs.
- Examples:
  - **Experts** in that would *compliment existing niche institutional strengths*.
  - **Equipment** that would *enable more than one faculty member* to move their research to the next level.
  - Etc.
What Kinds of **NEEDS** Should **NOT** Be Listed

- Anything that would **benefit only one faculty member or department**
**Glossary of Terms**

- **Entries** are records/listings in the R2D1 **Directory**.
- Each R2D1 **Entry** represents a real-world **resource** or **need**.
- Each real-world **Resource** or **Need** should be represented by only 1 directory **Entry**.
- A **Resource Entry** will generally have only 1 **Category** that tell the what TYPE the real-world resource is. *(e.g., Instrumentation, Program)*.
- A **Need Entry** will generally have 2 **Categories**, one of which is “**Need or Gap**”, and the other is the category of the resource that is needed.
- An Entry may have zero or many **Applications** that tell what kinds of problems the corresponding real-world resource can address *(e.g., Disaster Resilience, Community Wellbeing, Human Health, etc..)*
Flagship Constellations in R2D1

- **Constellation Themes** are examples of **Applications**
- UM Flagship *Constellation focus areas/ gravitational themes/ research thrust areas* can also implemented as Applications in R2D1
- **UM Flagship Constellation** is also a **Category** in R2D1
How to Log In

www.research.olemiss.edu/r2d1

All UM/Oxford employees/students have read access to R2D1 with their WebId/password.

Any UM/Oxford employee can be given write/edit access to R2D1.

Special Accounts can be created to give UMMC employees read or write access to R2D1.
View All Resources

Filter Listing

25 inch Reflector Telescope
Category: Instrumentation

3 inch Supersonic Wind Tunnel Facility
Categories: Facility or Laboratory, Instrumentation

400 MHz Nuclear Magnetic Resonance (NMR) Spectrometers, 3 each
Category: Instrumentation

500 MHz Nuclear Magnetic Resonance (NMR) Spectrometer
View Summary of a Resource

25 inch Reflector Telescope
Category: Instrumentation
Summary

3 inch Supersonic Wind Tunnel Facility
Categories: Facility or Laboratory, Instrumentation
Summary

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

500 MHz Nuclear Magnetic Resonance (NMR) Spectrometer

View Summary of a Resource

3 inch Supersonic Wind Tunnel Facility
Categories: Facility or Laboratory, Instrumentation

Summary

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

Contacts
Primary: NATHAN MURRAY
Secondary:

Academic Department/Unit
NATIONAL CENTER FOR PHYSICAL ACOUSTICS

Building
JAMIE L. WHITTEN NATL CTR FOR PHY ACSTS

Last Update
01/09/2015

Full Listing
3 inch Supersonic Wind Tunnel Facility
Categories: Facility or Laboratory, Instrumentation

Summary

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

Contacts
Primary: NATHAN MURRAY
Secondary:

Building
JAMIE L. WHITTEN NATL CTR FOR PHY ACSTS

Last Update
01/09/2015
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

Building Name
JAMIE L. WHITTEN NATL CTR FOR PHY ACST

Location within Building
1111

Organization Name
NATIONAL CENTER FOR PHYSICAL ACOUSTICS

Last Update
10/06/2015

Contacts
Primary:
MURRAY, NATHAN

Secondary:

URL
http://ncpa.olemiss.edu/

Acknowledgements

Applications

Defense and Security
For aerodynamics testing

Transportation
For aerodynamics testing

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: Resource Entries

An Entry may be associated with Categories

- A Category is the fundamental TYPE of a resource
- Most Resource Entries 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: Need Entries

An Entry may be associated with Categories

- A Category is the fundamental TYPE of a resource
- Most Need Entries will have only 2 Categories:
  - The category of the needed resource,
  - The additional category \textit{Need}. This category is how we know this entry is for a need, not an existing resource.
- Example: The BIG DATA Flagship Constellation has a NEED for a Cyber Security Expert. Thus, they created an R2D1 Entry with two categories: \textit{Expert} and \textit{Need}.
~24 categories are defined in R2D1. Contact ORSP to suggest categories be added or merged.
Categories (continued)

Course
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).

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

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 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.

Facility or Laboratory
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.
Categories (continued)

Funding Opportunity
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.

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).

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

Other IT Service
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.
Categories (continued)

Other Organized Research Unit (ORU)
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.

Other Program
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.

Outreach & Public Engagement
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.

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

Project
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.

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

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.

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.

Visiting Scholar

Resources

Edit Category

Edit Category

Edit Category

Edit Category

Edit Category
Categories: NEED is a new category in R2D1

Need
This category is for needs or gaps in capabilities, rather than actual resources we have. When using this category, only describe what we DO NOT CURRENTLY HAVE. "Need" is a secondary category associated with all Need Entries. The Resource Entry name should start with "Need for..." e.g., "Need for a Shared Instrumentation Facility"
Applications

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, organize around problem based funding opportunities
  - Resources to be listed once, but described in customized, institutionally vetted/standardized ways to diverse stakeholders (economic developers, media, etc.)
54 Applications are currently defined in R2D1.

Including 4 UM Flagship Constellation Themes

Contact ORSP to suggest new Applications.
Where Do Resource Directory Entries Originate?

Some entries are manually entered by R2D1 Users.

• **Individual Faculty or Researchers** who request admin accounts may enter/maintain entries for resources they control or for which they are listed as primary or secondary points of contact.

• **Designated Representatives** employees on behalf of their departments, schools, centers, constellations, 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.

• **UM ORSP Staff** ORSP Program Development Specialists may create/edit directory resource entries on behalf of, or in consultation with, their clients.
View Resources by Category

Selected the desired Category from the Category Drop-down
View Resources by Category

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

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic/Research Support</td>
<td>Other Organized Research Unit (ORU)</td>
</tr>
<tr>
<td>Animal Model</td>
<td>Other Program</td>
</tr>
<tr>
<td>Collection/Repository</td>
<td>Outreach &amp; Public Engagement</td>
</tr>
<tr>
<td>Community/Group</td>
<td>Professional Service</td>
</tr>
<tr>
<td>Course</td>
<td>Project</td>
</tr>
<tr>
<td>Entity</td>
<td>Shop</td>
</tr>
<tr>
<td>Expert</td>
<td>Stockroom</td>
</tr>
<tr>
<td>Facility or Laboratory</td>
<td>Training &amp; Professional Development</td>
</tr>
<tr>
<td>Funding Opportunity</td>
<td>UM Flagship Constellation</td>
</tr>
<tr>
<td>Instrumentation</td>
<td>Undergraduate Research Opportunity</td>
</tr>
<tr>
<td>Internship or Fellowship</td>
<td>Vehicle</td>
</tr>
<tr>
<td>Need</td>
<td>Visiting Scholar</td>
</tr>
<tr>
<td>Other IT Service</td>
<td></td>
</tr>
</tbody>
</table>
List will only include user-originated resource entries in that category (e.g. UM Flagship Constellation).

Categories

**UM Flagship Constellation**

Flagship Constellations are organized, interdisciplinary, intercampus groups formed to collaborate around a particular theme or societal grand challenge. Only the UM Chancellor has the authority to designate a new constellation. As of September 2017, there are four UM Flagship Constellations: 1) Big Data 2) Community Wellbeing 3) Disaster Resilience 4) Brain Wellness

Filter Listing

Building

Organization

Application

Category Listing

UM Flagship Constellation

Institution

Origin Type

Apply Filter

Displaying 1-4 of 4 results.

**BIG DATA Flagship Constellation**

Category: UM Flagship Constellation

Summary  Add to Favorites

**BRAIN WELLNESS Flagship Constellation**

Category: UM Flagship Constellation

Summary  Add to Favorites

**COMMUNITY WELLBEING Flagship Constellation**

Category: UM Flagship Constellation

Summary  Add to Favorites

**DISASTER RESILIENCE Flagship Constellation**

Category: UM Flagship Constellation

Summary  Add to Favorites
Select the desired Application from the Application Drop-Down
Applications

Flagship Constellation - Big Data
Is your resource or need applicable to solving the following Grand Challenge: Effectively harness and systematically analyze large amounts of data from disparate sources for a wide variety of purposes

Displaying 1-3 of 3 results.

BIG DATA Flagship Constellation
Category: UM Flagship Constellation
Summary | Add to Favorites

Need for Cybersecurity Expert
Categories: Expert, Need
Summary | Add to Favorites

Philip J. Rhodes
Category: Expert
Summary | Add to 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”
Only resource entries that match the search criteria will be listed.
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, generally a noun phrase.

Description

Description should not just be a repeat of the name, but should provide additional details, including any keywords 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 department...

Institution *

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

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.

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

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

Remember to click Save.
Add/Edit a Resource: Selecting/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 name or 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/editing categories

- Training & Professional Development
  An extracurricular (not-for-university-credit) training or professional development opportunity; 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

Remember to click Save.
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 investigative innovative approaches to treating depression, cancer, obesity, etc.
Add/Edit a Resource: Selecting/editing applications

Acknowledgements

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

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
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**

Assign to Resource

- UNKNOWN

**Cancer**

Assign to Resource

- UNKNOWN
Defense and Security

Assign to Resource

YES

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.
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.

Includes the 4 UM Flagship Constellations

Includes 7 Target Industries of the Mississippi Development Authority (MDA)
- Advanced Manufacturing
- Aerospace
- Agribusiness
- Automotive
- Energy
- Healthcare
- Shipbuilding
Flagship Constellation - Disaster Resilience

Is your resource or need applicable to solving the following Grand Challenge: Mitigate the impact of disasters on individuals and communities

Assign to Resource

YES

Application Description

The Local Agrifood System Sustainability/Resilience Index (SRI): Constructing a data tool applied to counties in the southern United States
John J. Green, Jim Worstell & Caroline Canarios
Community Development Vol. 48, Iss. 5, 2017
DOI: 10.1080/15575330.2017.1370001
Schulenberg, Stefan E.

Description
AREA OF EXPERTISE: DISASTER MENTAL HEALTH FORENSIC PSYCHOLOGY MEANING/PURPOSE IN LIFE POSITIVE PSYCHOLOGY POSTTRAUMATIC STRESS DISORDER PSYCHOLOGICAL ASSESSMENTS AND INTERVENTIONS RESILIENCE AND POSTTRAUMATIC GROWTH

Institution Name
University of Mississippi

Organization Name
PSYCHOLOGY

Last Update
10/11/2017

Building Name
KINARD HALL

Contacts
Primary: SCHULENBERG, STEFAN
Secondary:

Location within Building
203

Urls
http://www.olemiss.edu/people/sschulen

Acknowledgements

Applications

Flagship Constellation - Disaster Resilience
Disaster Mental Health is one of Schulenberg's specialities. Schulenberg has 16 years of training and experience working within the disaster mental health field. He moved to Mississippi in 2002, and when Hurricane Katrina hit three years later, Schulenberg was part of a multidisciplinary group that collected data on the coast on how people were handling the trauma. Schulenberg's team was again part of mental health efforts on the coast after the BP Deepwater Horizon disaster of 2010. Schulenberg is a member of the Mississippi Disaster Response Network, and is Red Cross certified. He teaches courses for the American Red Cross program and also works with the organization for
What Next? Use for Individuals or Constellations

Look for resources from your area. If they are not there, create them or contact ORSP. If they are wrong, fix them.

Designate one or more R2D1 Editors for your Constellation.

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

• Report bugs
• Request enhancements
• Ask questions
Questions?
Extra Slides...used in longer R2D1 workshop
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
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.
Only resource entries with the selected Origin will be listed.
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

[ ] Application
- Advanced Manufacturing
- Aerospace
- Agribusiness
- Automotive
- Cancer
- Child Welfare
- Creative Economy
- Defense and Security
- Diabetes
- Disaster and Emergency
- Drug Discovery
- Economic or Community Development
- Environment and Sustainability

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

[ ] Institution
[ ] Origin Type

Apply Filter

Currently selected filters:
- Environmental Chemistry
- Instrumentation
Exercise Using Filters to Narrow the Listing: Results

Chromatograph, Ion, Dionex DX 500
Category: Instrumentation

Elemental Analysis CHN Platform (Perkin Elmer 5400)
Category: Instrumentation

Inductively Coupled Plasma Mass Spectrometer (ICP-MS), Thermo Fisher Element-XR
Category: Instrumentation

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

Inductively Coupled Plasma Mass 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.)
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 Entry for yourself with the Category Expert.
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”
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.

http://www.reuters.com/article/2014/02/24/us-ge-spending-idUSBREA1N0JA20140224
US Hospitals Have Had 68 Ebola Scares, CDC Says

Aug 20, 2014, 10:23 AM ET
By SYDNEY LUPKIN via WORLD NEWS

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

Sam Edwards/Getty Images
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

Building Name
JAMIE L. WHITTEN NATL CTR FOR PHY ACSTS

Location within Building
1111

Organization Name
NATIONAL CENTER FOR PHYSICAL ACOUSTICS

Contacts
Primary: MURRAY, NATHAN

Last Update
10/06/2015

Url
http://ncpa.olemiss.edu/
Back to Search

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

Building Name
KENNON OBSERVATORY

Contacts
Primary: DON SUMMERS
Secondary: TIBOR TORMA

Location within Building

Last Update
09/09/2013

Urls
http://www.phy.olemiss.edu/Astro/telescope_details.html
Forgets the listing you were looking at; takes you back to home page to view ALL RESOURCES, as if you just logged in.
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.

- **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**

### SAP Categories
- **SAP Building**
- **SAP Committee**
- **SAP Entity**
- **SAP Expertise**
- **UM IT Service**
- **SAP Organization**

### Academic Common Market
- **SAP Entity**

### Academic Computing
- **SAP Expertise**

### Academic Council Workflow
- **UM IT Service**

### Academic Discipline
- **SAP Committee**

### Accelerator
- **SAP Building**
Edit an Existing Resource

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