

introducing the

National User Facility Organization

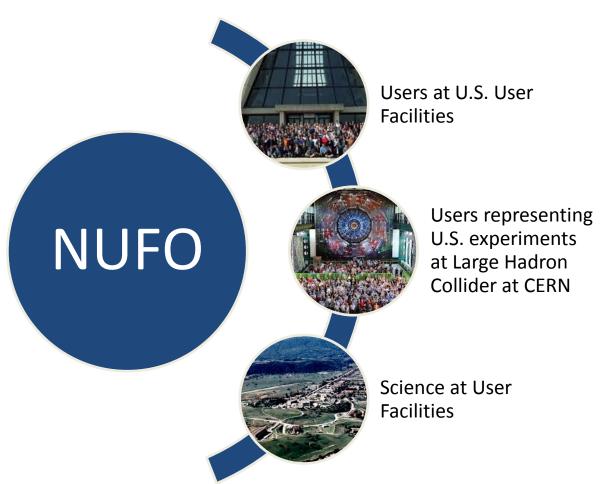
Susan White-DePace Executive Administrator, NUFO

Presentation at the 3-Way Meeting July 31, 2013



National User Facility Organization: NUFO Represents

Federally-funded scientists who conduct research at U.S. or non-U.S. scientific user facilities.



NUFO is a collaboration between User Representatives (UEC Chairs) and User Administrators (www.nufo.org)

- Steering Committee (3 elected User reps, 3 elected administrative reps, 3 elected general members, 3 appointed individuals)
- Membership (1 User Representative and 1 User Administrator)
- Six Working Groups
- In General
 - User Representatives focus on outreach activities
 - User Administrators focus on streamlining processes to facilitate access
 - Both branches work together closely to fulfill the overall NUFO mission
- Represents > 45,000 users from all 50, 500 universities, 300 industrial firms, plus national and private research laboratories



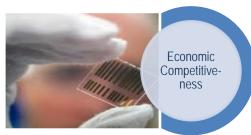
Educates and Advocates for User Facilities



Promotes the Four Pillars of Communication:

- User Facilities are the birthplace of fundamental knowledge
 - Top Quark discovery by CDF and DZero experiments at Fermilab in 1995
- 2. User Facilities are the home of scientific achievements
 - 24 Nobel Prizes from 1939 to now
 - 2012 Nobel Prize in Chemistry for G-protein-coupled receptors (GPCRs) was based in part on research performed at the Argonne National Laboratory
- 3. User Facilities promote economic competitiveness
 - Industrial research leads to key discoveries, patents, and new technologies
 - Stimulates economic growth
- 4. User Facilities are the cradle of science education
 - 40% of users are graduate students or postdoctoral students.

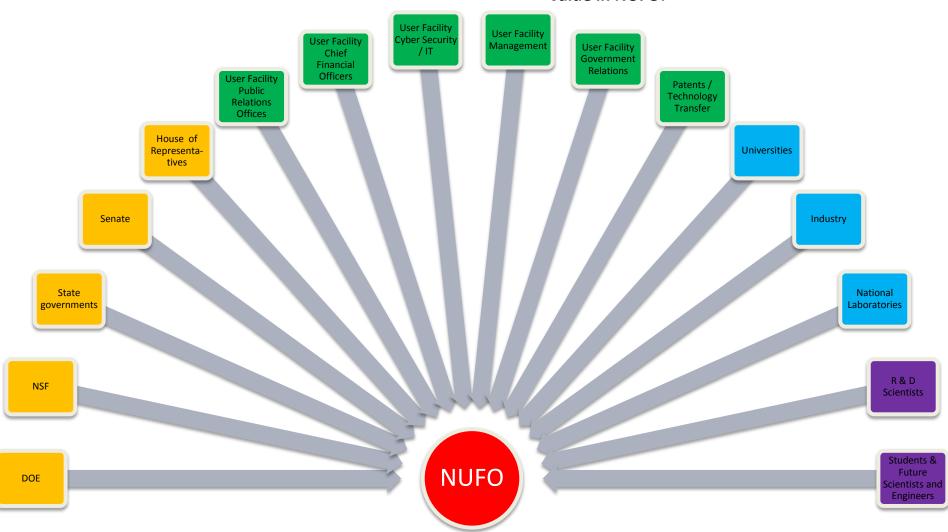






National Voice for Users

48 User Facilities, and Stakeholders at every level of government, industry and in university, find value in NUFO:



NUFO provides a <u>unified message</u> at the national level...

To Congress, Industry, DOE, the Public

Congress

- Congress invites NUFO to hold yearly exhibitions on Capitol Hill
- NUFO was invited to testify to Congress about User Facility

Industry

- NUFO Report led to a BESAC Study
- BESAC recommended changes that directly track NUFO recommendations

DOE/Government

 NUFO involvement led to modification of DOE Order 142.3, Foreign Visits and Assignments – facilitating access for non-US citizen users

Public

- NUFO participates in the USA Science & Engineering Festival in Washington
- NUFO attends professional society meetings to educate attendees about user facilities
- NUFO conducts benchmarking studies to enable facilities to adopt best practices

NUFO Annual Meetings

2009: Industry usage

2010: Educational outreach

2011: Access to user facilities

2012: University relations

2013: Big data



FACILITY

The **FUTURE** of America is the RESEARCH of TODAY

info@nufo.org

July 9, 2013



NEWS

Big Data Draws Big Crowds









2013 NUFO Annual Meeting

"Big Data" was the overall theme of the 2013 National User Facility Organizational Annual meeting held at Lawrence Berkeley National Laboratory and hosted by LBL's six user facilities: The Advanced Light Source, The Molecular Foundry, the Joint Genome Institute, the National Center for Electron Microscopy, ESNet and NERSC. Plenary sessions included talks on both technical and policy considerations of various aspects of big data: collection, analysis, maintenance/storage, and transmission. The opening session began with a review of NUFO activities during the past year and concluded with an initial presentation on a possible new structure for the organization.

Parallel sessions were held for meetings of the NUFO Working Groups: Administrative Affairs, Facility Financial Best Practices, Communication and Outreach, Industrial Access and Interactions, and Computing and Data Access. Summaries of these sessions were presented at the end of each day. The final session included an interactive video teleconference with Ben Brown, DOE office of Science, who discussed the DOE-SC definitions of User facilities and users.

Approximately 100 registered to attend the meeting in person; an additional 70 logged in to view live video streams.

2013 User Science Exhibition



www.nufo.org

info@nufo.org

July 25, 2013

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NEWS



Congressman Randy Hultgren, Chris Benmore (APS)

"Basic scientific research and our National Labs are the backbone of the innovative nation we all want America to be. Federal commitment to this research is what maintains our place as a truly exceptional nation, and our lab's interaction with our education system and the business community has a compounding effect with our scarce tax-payer dollars. We all know our government must make tough choices when prioritizing our budgetary direction, but the basic scientific research needed for our next great discovery should always be a top American priority."

2013 User Science Exhibition

Balls suspended in air by sound. New detectors for breast cancer. Ice cut by coins coated with diamond. Roofing shingles that generate electricity.

These were some of the demonstrations seen by members of the U.S. House of Representatives and their staffs during NUFO's Exhibition on Scientific User Facilities on June 26, 2013. The exhibition, sponsored by NUFO at the invitation of the House Science and National Labs Caucus, was held in the Rayburn House Office Building. The attendees learned first hand about the wide-range of research and innovation undertaken at the National User Facilities. They were also able to interact directly with more than 60 users and facility representatives who traveled to Washington to participate in the exhibition.

The exhibition focused on three themes in research: Energy, Health, and Innovation. In addition to the demonstrations, videos and posters presented examples of the impact of research at user facilities, with a special emphasis on accomplishments by industry. Additional posters described initiatives in science education and the geographic diversity of facility users.

Remarks delivered during the event by Congressmen Chaka Fattah and Randy Hultgren, two of the co-Chairs of the Science Caucus, emphasized the importance of

Attendees

- Seven members of the House attended
- Staff from 35 Congressional Offices
- Funding agencies
- Professional societies

Exhibition

- 16 demonstrations and videos
- Faces and Places posters
- Posters in theme areas of energy, health, and innovation



NUFO Plans for 2014

- NUFO, Office of Science, and the National Science Foundation are jointly sponsoring a User Facility Symposium at the 2014 AAAS Meeting
- Science & Engineering Festival in Washington, DC
- NUFO plans to visits each user facility and speak to User Organizations
- Investigating incorporation

NUFO Web Page



The FUTURE of America is the RESEARCH of TODAY

[login]

HOME NEWS EVENTS CHARTER ORGANIZATION FACILITIES MEETINGS REPORTS OUTREACH CONTACTS









NUFO Data

Archive: Upcoming Events | 2013 | 2012 | 2011 |

UPCOMING EVENTS

08.05.2013	NUFO @ the Denver X-ray Conference
08.10.2013	National School on Neutron and X-ray Scattering
08.12.2013	Neutrons and Nano User Meeting @ ORNL
08.25.2013	2013 Optics + Photonics
10.16.2013	2013 LANSCE School on Neutron Scattering - Geosciences & Materials in Extreme Environments
11.04.2013	2013 Joint TMF-NCEM Annual Users Meeting
05.12.2014	2014 APS/CNM/EMC Users Meeting
06.02.2014	2014 Users Group Workshop and Annual Meeting

FACILITIES

Advanced Photon Source (APS)



MEETINGS



June 19-21, 2013 - Lawrence Berkeley National Laboratory | Meeting Website

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June 18-20, 2012 - Los Alamos National Laboratory | Agenda/Talks/Participants

F E & B

The meeting was focused on "Strengthening the Relationship Between University Research and National User Tacillisis". The two-and-a-half day meeting was held primarily in Instance Standing Search was designed in the Standing Search S

REPORTS

NUFO Reports

- Industrial Usage Report
- . Educational Outreach Report
- 2011 Annual Meeting Report

Benchmarking Results

- Multilingual Websites
- DOE User Agreements
- First Aid to Users
- Publication Tracking
- Proposal Call Closure
- · Foreign Visits & Assignments
- Shipping Policies & Procedures
- Insurance for Users
- Publication Acknowledgements
- Housing

Related Links

BESAC Report

OUTREACH

Outreach Materials

- Facility Fact Sheets
- · Scientific Accomplishments
- NUFO Brochure
 NUFO Correspondence
- Noro correspondence
- Guidelines for Outreach Meetings
- Outreach Contacts
- NUFO Presentation

Outreach Activities

- USA Science & Engineering Festival
- User Science Exhibition





Facility Contacts

- User Administrator
- User Representatives
- Facility Directors
- Communications Directors
- Government Relations Contacts
- Funding Agency Contact
- Science Funding Agencies
- Industrial User Science Contacts
- University User Science Contact

***** Maintain list servers for all categories *****

Facility Information

- Fact Sheets
- Posters
- Scientific Accomplishments
- R&D Awards
- Photos
- List Servers
- User Statistics



Become a Friend of NUFO

go to www.nufo.org/organization/friends-of_nufo/aspx