

NUFO's Science Outreach Trip to Washington DC

Dennis Brown :Northern Illinois University
and APS/ANL



NORTHERN
ILLINOIS
UNIVERSITY

- Background on NUFO:
- (1) National Users Facility Organization
- (2) Founded in 1990
- (3) Unites the Users Organizations at all the National Labs as one coherent unit
- (4) Provides a unified message at the national level on issues concerning the National Labs, science, resources, education and employment, and future facilities.

Purpose of the trip to Washington DC

Science Outreach: Educate the public on the importance of the National Labs, the science conducted there, and of their benefits to the community.

Event during the Oct. 23-24 weekend:

The USA Science and Engineering Festival

The USA Science and Engineering Festival:

The Festival, was the country's first national science festival, and was a collaboration of over 500 of the country's leading science and engineering organizations aimed at reigniting the interest of our nation's youth in the sciences.

> 500 science and engineering organizations

> 400 science booths holding science demonstrations and exhibits

Spanned across the National Mall as well as occupied the Freedom Plaza, Wilson Plaza, and the National Museum of Natural History.

Estimated that over 1 million visitors attended during the 2 day weekend

President Obama invited the nation to the inaugural USA Science and Engineering Festival:

- (1) Pre expo events (science competitions) held throughout the year
- (2) The “grand finale” held at Washington DC
- (3) 70 simultaneous satellite events held in towns and cities around the country.

One satellite event:

Northern Illinois Science and Engineering Festival

held at: **Northern Illinois University**

organized by: NIU STEM Outreach

NUFO Science Exhibition Booth

Susan White-DePace
(BNL)



Tom Ferbel
University of Rochester

Rene Bellwied
University of Houston

Carla Vale
(BNL)

Tony Lanzirotti
University of Chicago
(BNL)

Dennis Brown: Northern Illinois
University (ANL)

Demonstrations:

Comet quiz board



Nitinol wires:

Shape memory
alloys



Nanoparticle
coated cloth:
waterproof
materials



Past and Future

- Initiated by Lockheed
- Martin last year in San Diego (at Balboa Park). Attracted over 100,000 people.
- Worked with the White House and hosted the festival in Washington DC



Hopefully in the future, this can be continued to excite and stimulate children and students to be the next generation of scientists and engineers which is of serious concern for high tech industries.

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