



SANFORD UNDERGROUND LABORATORY AT HOMESTAKE

Education & Outreach Spotlight

March 2009

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Welcome

As the former Homestake gold mine continues its transition into a Deep Underground Science and Engineering Laboratory (DUSEL), we are working to craft educational opportunities and events that highlight the cutting-edge science taking place in our state. In this issue of the Education and Outreach (E&O) Spotlight, see what we've been up to lately and meet the new Deputy Director of Education and Outreach, Peggy Norris.

For the most up-to-date information, visit the Sanford Underground Laboratory at Homestake website.

<http://www.sanfordundergroundlaboratoryathomestake.org/>

Now a Proud Member of the COPUS Network

To support the development of local and regional partnerships, Sanford Underground Laboratory has joined the Coalition on the Public Understanding of Science (COPUS). COPUS is a national grassroots effort whose goal is to excite the public about science and to increase understanding of how science works, its value to society, and who scientists are.

A key objective of COPUS is to create new forums for communication and to develop new opportunities for engaging the public with science. We have already worked toward this objective with the "Deep Science" lecture series and are exploring the idea of local "Science Cafes." We'll keep you informed as work continues to make science more accessible, personally meaningful, and locally relevant.

*“Never doubt that a small group of thoughtful,
committed citizens can change the world. Indeed,
it is the only thing that ever has.”*

- Margaret Mead





Dr. Jose Alonso
Physicist and
Sanford Lab Director

Continuing "Deep Science" Lecture Series

Dr. Alonso will use photos, graphics and (mostly) plain language to explain why scientists want to transform the former Homestake gold mine into the world's deepest, biggest, most sophisticated underground laboratory. His talk is entitled *Neutrinos and Dark Matter in the Black Hills*.

Lectures will be held in Lead and Rapid City.
Talks begin at 7:00 p.m. and are free to the public.

March 24 Lead-Deadwood HS Auditorium
March 25 Dahl Fine Arts Center in Rapid City

In conjunction with the SD Academy of Science meeting, Dr. Peggy Norris, Deputy Director for Education and Outreach at Sanford Lab, will present her talk entitled *Mining for Scientific Gold in the Black Hills*. Come discover an unexpected link between a Nobel Prize in physics and the son of a farmer from Canton, South Dakota.

Talk begins at 7:00 p.m. and is free to the public.

April 2 Northern State University
Johnson Fine Arts Center Red Room

These lectures continue the "Deep Science" series started during the DUSEL Workshop in April 2008. So far more than 2,000 people have attended ten lectures around the state of South Dakota.

For information about how to bring a "Deep Science" lecture to your community, contact Sanford Underground Laboratory's public information officer, Bill Harlan, at bill.harlan@state.sd.us or call (605) 722-8650.



Dr. Peggy Norris
Deputy Director for
Education and Outreach
Photo Black Hills Pioneer

South Dakota Focus

The South Dakota Public Broadcasting team (and other news media) was invited on a unique one-time tour deep within the former Homestake mine. Their tours were chronicled on a recent episode of South Dakota Focus.

The program presented video taken during that tour, as well as interviews with former Homestake employees now working to turn the vision of a science lab into a reality interspersed with discussion by Governor Mike Rounds, Executive Director Ron Wheeler and Dr. Jose Alonso.

To view raw video of the tour, visit
<http://www.sdpb.org/Archives/ProgramDetail.asp?ProgID=7616>

South Dakota Public Television, the associated press and the Black Hills Pioneer visit the 4550 level.

Photo Bill Harlan





Dr. Norris, with students and fellow teachers at the PAN Underground workshop at the University of South Dakota.

Meet the new Deputy Director of Education & Outreach

Dr. Peggy Norris, formerly with Lawrence Berkeley National Laboratory's Nuclear Sciences Division, has been appointed as the Deputy Director for Education and Outreach for the Sanford Underground Laboratory at Homestake.

Dr. Norris left her former position as Research Coordinator at Berkeley's 88" Cyclotron and hit the ground running. Besides relocating to the Black Hills from the Bay Area, she has participated in professional development at the Institute for Inquiry at the Exploratorium in San Francisco, worked to get connected with a variety of scientific collaborations, made several presentations and created three summer intern positions at Sanford Underground Laboratory.



SanfordLab is all a-Twitter

Curious about what we are doing? SanfordLab is using Twitter! Twitter is one of the fastest-growing phenomena on the Internet. This free service provides timely, instant updates for happenings at Sanford Laboratory. Unlike lengthy blogs, **Twittering** is essentially sending brief, one or two sentence "tweets" about what you are doing. So, if you want to know what's happening, in 140 characters or less, take a peek at the following link.

<http://twitter.com/SanfordLab>



Upcoming Events

Mark your calendars for a Neutrino Day celebration at Sanford Lab tentatively set for Saturday, July 11th.

Details to be announced.

*Until next time
Keep up to date*

Feel free to download the PDF
and print copies for your friends.

<http://www.sanfordundergroundlaboratoryathomestake.org/>

<http://twitter.com/SanfordLab>

<http://www.camse.org/underground/news.php>