

Tours for NE Division Summer Students

The Nuclear Engineering Division Student Outreach Committee is offering three guided tours of NE Division facilities for summer students in the Nuclear Engineering Division. Each tour will last about 45 minutes to one hour. These tours offer the opportunity to see and hear about some unique experimental facilities which are part of the NE Division's research in the nuclear energy field. The tours are as follows:

- Thursday, July 5 at 1:30 PM, sodium experimental loop in Bldg. 370 (meet in the lobby of Bldg. 208 at 1:10 PM)

This experimental setup is part of the Global Nuclear Energy Partnership (GNEP) work being conducted at Argonne on sodium components testing for the Advanced Burner Reactor plant design. The loop is almost ready to go into operation, and we will be seeing it just a few days before sodium is loaded into the loop.

- Monday, July 9 at 1:30 PM, carbon dioxide experimental loop in Bldg. 206 (meet at the entrance to Bldg. 206, located just west of Bldg. 208)

This experimental loop is part of the Global Nuclear Energy Partnership (GNEP) work being conducted at Argonne for the Advanced Burner Reactor plant design. This facility is being used to test heat transfer and flow in an advanced design power conversion system which uses carbon dioxide instead of water to remove heat from the reactor sodium coolant (some information on this loop is available if you go to <http://students.ne.anl.gov/outreach/> and click on the viewgraphs file for the June 26 seminar).

- Friday, July 13 at 1:00 PM, Nuclear Energy exhibit in Bldg. 208 – meet at the exhibit (located on the first floor of Bldg. 208 in the front hallway, just west of the vending machines).

This exhibit takes the audience through the major milestones in the development of nuclear power in the U.S. and explains Argonne's role in the design of nuclear reactors, beginning with the Manhattan project, to present-day commercial reactors, to advanced reactor designs currently under development. The exhibit includes reactor models and examples of components used in nuclear reactors.

You may sign up for as many of the tours as you wish. To sign up for a tour, please send an e-mail to Laural Briggs (lbriggs@anl.gov) by 10:00 AM of the day of the tour.

We may also be offering a tour of the severe accident experimental facility in Bldg. 315 (which was discussed in Mitch Farmer's seminar on June 26). We'll have more information on this soon.

Regarding the tour in Bldg. 370, if you need transportation from 208 over to 370, please let Laural know. If you have a car and would be able to drive some of the other students to 370, please indicate this when you sign up for the tour.

Note: the committee is also offering a Nuclear Energy exhibit tour to students in ANL divisions other than NE. This tour will be held on July 9, and you will probably receive a notice about it from DEP. The discussion in this tour will be geared to students without any background in nuclear engineering, whereas your tour on July 13 will go into greater depth and is for students with some nuclear engineering knowledge. Just thought we should mention this to avoid confusion about what appears to be the same tour being offered on two different dates.