Welcoming HITACHI-GE to U

About UNEP

Message from the Director:

With great help and support from EnergySolutions and the College of Engineering, the U is rebuilding nuclear engineering research and education as part of the Utah Nuclear Engineering Program (UNEP).

We have great resources and capabilities to grow and build an innovative, highly successful graduate program in nuclear engineering and to offer a competitive and unique minor in nuclear engineering. We are bringing the 21st century nuclear engineering education to our students. As part of our commitment to excellence and building the UNEP program, we are offering master’s and doctoral degrees, as well as a new minor in nuclear engineering started in Fall of 2010. The minor represents the only undergraduate nuclear degree in the state of Utah and the region.

Our prospective graduate students work with us in nuclear reactor modeling and benchmarking using our own TRIGA reactor (one of only 13 left in the country); in nuclear material detection by developing new approaches and methodologies using state-of-the-art computational platforms; in nuclear forensics; in green energy development; in nuclear medicine to find synergistic approaches for cancer treatment; in robust computational method developments for GEN IV reactors; in radiation shielding analysis for space missions; and in measuring and analyzing radiation in our NAA lab. UNEP prepares our graduates to work in such areas as industry, national laboratories, and universities. Our graduates are involved in UNEP program development, in writing proposals, and helping in classrooms. The near future depends in part on the nuclear engineering profession. For more information, visit us at:

http://www.nuclear.utah.edu/nep.html
UNEP Facts August 2009–August 2010

~$18,000 was awarded to UNEP in scholarships and fellowships.

~$900,000 was our new research funding.

Nuclear engineering courses obtained their own subject code: NUCL.

Three outstanding undergraduate students joined UNEP for research projects and were awarded the UROP assistantships. Rapiscan Labs gave first ever internship to UNEP!

MINOR in Nuclear Engineering from Fall 2010.

SRO-TRIGA training opened for undergraduates.

SCHEDULE FOR SEPTEMBER 28th 2010

13:10  arrive to Salt Lake City from San Francisco (DL3292)

Check in Hilton Hotel

18:00-  Meet with Dr. Jevremovic at the Hotel Lobby; Dinner in SLC downtown

SCHEDULE FOR SEPTEMBER 29th 2010

09:30 –  Meet with Dr. Jevremovic at the Hotel Lobby; travel to Campus
10:00 – 10:30  Meeting with Departments’ Chairs: Drs. Tikalsky and Deo
10:30 – 11:30  Visit the SCI with Dr. Jevremovic
11:30 – 13:00  Meeting and lunch with some faculty, Crimson View
13:00 – 13:30  About UNEP, Dr. Jevremovic, at the Facility
13:30 – 14:00  Tour of the UNEP facilities, Drs. Jevremovic and Choe
14:00 – 15:45  Meeting with students who are interested in Hitachi-GE internship [some students will present their research in relation to Seminar topics], WEB 1450
16:00-17:30  Seminar, WEB 2250

1. Brief introduction of Hitachi-GE (Mr.TANIKAWA)
2. Development of NEXT-Generation BWR in Japan (Mr.TANIKAWA)
3. Development of spectral shift rod (Mr.KIMURA)
4. Seismic design and research of Japanese NPP (Mr.ONIZUKA)
5. Development of advanced construction methods and management (Mr.KAWAHATA and Mr. Akagi)

18:00-  Dinner (hosted by Hitachi-GE) with some students and some faculty members, Kyoto Restaurant