Nuclear & Related Graduate Programs

2013-2014:
- Graduate Degrees Awarded in Nuclear and Related Programs—16
- Students enrolled in Nuclear and Related Courses—86
- Students in Nuclear and Related Graduate Degree Programs—66

Avg. Yearly Research Expenditures:
Idaho Falls Center  $5.8 M

Program Faculty and Research Areas:

- **Fatih Aydogan**
  *(Ph.D., Nuclear Engineering, Pennsylvania State)*: small modular & advanced reactors, system design & analysis, nuclear safety, comp. & expt. thermal hydraulics

- **Indrajit Charit**
  *(Ph.D., Material Science, Missouri-Rolla)*: microstructure-property correlations, nuclear & nanocrystalline materials, advanced processing techniques, light metals

- **Bob Hiromoto**
  *(Ph.D., Physics, Texas-Dallas)*: parallel algorithms, communication protocols for UAVs, and secure wireless networks

- **Don McEligot**
  *(Ph.D., Thermoscience, Stanford)*: heat transfer, fluid mechanics, experiments

- **Vivek Utgikar**
  *(Ph.D., Chemical Engineering, Cincinnati)*: hydrogen and energy systems, advanced fuel cycles, energy storage

- **Chien Wai**
  *(Ph.D., Chemistry, UC-Irvine)*: supercritical fluids reactions and extraction of metals and radionuclides, nuclear waste management and nanomaterials

- **Tom Wood**
  *(Ph.D., Mining Engineering, Idaho)*: hydrogeology of fractured rock systems, geothermal energy, nuclear waste geological storage/disposal, hydrofracking

- **Haiyan Zhao**
  *(Ph.D., Chemical Engineering, Virginia Tech)*: catalysis in petroleum, biofuels, natural gas & environment, nuclear waste treatment, advanced characterization techniques

Contact Information:
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Student Assistantships:
Research: 10-15 per calendar year
Teaching: 2-3 per calendar year

Affiliated Research Facilities:
Center for Advanced Energy Studies  [www.caes.uidaho.edu](http://www.caes.uidaho.edu)
Idaho National Laboratory  [www.inl.gov](http://www.inl.gov)
Center for Space Nuclear Research  [www.csnr.usra.edu](http://www.csnr.usra.edu)

- Educational partnership with Idaho National Laboratory, DOE’s lead nuclear research facility, since 1954
- Founding partner in Center for Advanced Energy Studies, a collaborative research enterprise
  - Regional sales generated by CAES in FY2012—$13.98 M
  - 186 jobs generated in FY2013 by CAES