



RUSSELL L. HEATH

Distinguished Postdoctoral Associate

For more than six decades, Idaho National Laboratory scientists and engineers have helped solve some of the nation’s most pressing energy, environment and national security challenges. To continue attracting emerging researchers with backgrounds supporting our missions of advancing nuclear energy, protecting critical infrastructure and deploying clean energy, INL offers a competitively awarded distinguished postdoctoral research associate appointment that is available for top Ph.D. researchers.

INL’s Russell L. Heath Distinguished Postdoctoral associate program is designed to attract, recruit, develop and inspire early career researchers who have the potential to develop into INL’s future scientific and technical leaders. This appointment is intended to recognize and provide distinguished postdoctoral associates with experience, mentoring, and training to further their capabilities.

Appointees are broadly represented in the fields of nuclear engineering, materials science, computational science, separations science, power engineering, wireless technology or systems analysis.

The award provides up to two years of research support to the selected candidate with a possible one-year extension.

Russell L. Heath

Russ Heath spent most of his career at INL (34 years) conducting nuclear research. Of his many contributions, Heath is world renowned for the publication of the extensive series of NaI(Tl) and Ge Gamma-ray Spectrum Catalogues, which have been used extensively by science researchers in government labs, academia and industry. Heath’s gamma- ray spectrometry catalogue contributed to the nuclear community’s understanding of radioactive materials and is still used extensively nearly six decades

after it was first published. Heath was a member of the board of editors for the prestigious journal Nuclear Instruments and Methods in Physics Research, contributing editor for the Handbook of Chemistry and Physics, reviewer for the journals Physical Review, Analytical Chemistry, Nuclear Technology, Nuclear Science and Engineering, and chairman of the Nuclear Detector Subcommittee of the National Academy of Sciences.

Distinguished Postdoctoral Program Provisions:

- Opportunity to develop and build independent research while helping advance INL, Department of Energy and national agendas for energy and security.
- Access to lab leadership and career-enhancing opportunities.
- Mentors include top INL researchers and leaders.
- A prestigious and competitively compensated position.

Candidate Requirements

- Attained a doctorate degree in a science or engineering discipline that is closely related to INL's mission.
- Completed Ph.D. prior to distinguished postdoctoral appointment and within the previous five years.
- Demonstrated leadership and potential for independent research.
- Demonstrated oral and written scientific communication skills in English.
- Applicants are encouraged to establish one or more research contacts at INL to support their application.

Application Deadline

The application is open from August through November, with reviews and selections performed on an as-received basis.

Application Process

Please submit the following materials:

1. Letter of interest that details long-term professional goals, dates of availability, and development goals that include descriptions of strengths and disciplinary areas for research (two pages maximum, 8.5-by-11-inch paper, single-sided)
2. Current curriculum vitae
3. Unofficial transcripts
4. Bibliography of publications, preprints and significant presentations
5. Abstract of doctoral dissertation
6. Proposed research plan (maximum of two pages, 8.5-by-11-inch paper, single-sided) that includes:
 - Research to be addressed
 - Conjectures or hypotheses to be tested
 - Proposed methods of investigation
 - Guiding relevant theoretical frameworks
 - Research schedule
 - Major equipment needs and other necessary resources
8. Three letters of recommendation (one preferred to be from Ph.D. advisor)
8. One or more research contacts at INL if possible

Applicants must submit all required materials through www.inl.gov/careers.

Applications that do not follow all submission instructions may be deemed ineligible.

Finalists may be asked to provide additional information.

Contact Information:

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