



**RADIANCE TECHNOLOGIES INNOVATION BOWL TO GIVE AWAY**

# \$25,000 PRIZE

Radiance Technologies and the Radiance Technologies Independence Bowl Foundation proudly present the 2025-2026 Radiance Technologies Innovation Bowl. The Radiance Technologies Innovation Bowl is an academic competition between schools and conferences affiliated with the Radiance Technologies Independence Bowl. Affiliated schools compete for a single \$25,000 Grand Prize by developing innovative approaches to a current research and development topic selected by Radiance Technologies, see below. Evaluation of submissions is a two-step process. Teams submit their initial ideas and approaches during Phase 1 to Radiance Technologies prior to the end of the fall term. From these submissions, scientists and researchers within Radiance Technologies will pick three final teams, announced at Half-Time of the Radiance Technologies Independence Bowl. These teams will then further develop their ideas in the spring semester, Phase 2, through prototypes, models and simulation or experimentation and present their findings in person to a panel of experts. From these live presentations, a winning team will be selected and awarded the \$25,000 grand prize. Visit our website at [www.RadianceTech.com/InnovationBowl](http://www.RadianceTech.com/InnovationBowl) for additional information and to sign up your team now.

**Topic: Develop the techniques, procedures, and processes to validate the output of Generative AI models in conducting scientific and technical analysis.**

Large Language Models and Generative Artificial Intelligence are significantly altering the workplace and portend a major technological disruption. Their ability to generalize and extract relationships from vast data sets has significant potential with far reaching impact. While their initial adoption in common tasks, with a knowledgeable human reviewer, have proven effective, their use in conducting more detailed scientific and technical analysis requires further scrutiny. LLM and neural networks in general will provide a response whether it is factually correct or not. There are plenty of (and sometimes funny) anecdotes where they have produced responses, that to a human expert, are obviously incorrect. Yet, they are being used and applied in ever increasing fields and their ability to find hidden relationships in data can exceed that of the human expert. Therefore, to fully exploit the technology, innovative verification frameworks driven by large language models that incorporate fact-grounding, source traceability and provenance tracking must be developed to provide a measure of technical assurance that the output is correct. A confidence score is not enough; analysts need traceability of information, source reliability assessment, and transparency of analytic reasoning.

- Sign up your team by September 26, 2025 to attend virtual seminar September 30, 2025
- Phase 1 reports (3-5 pages) due November 14, 2025
- Three finalist announced at Independence Bowl December 30, 2025
- In person final Phase II presentations April 2026 (travel expenses paid)

scan here for  
more info:



**For more information visit: [WWW.RADIANCETECH.COM/INNOVATIONBOWL](http://WWW.RADIANCETECH.COM/INNOVATIONBOWL)**