



HEALTH PHYSICS SOCIETY

Specialists in Radiation Safety

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To: Dr. Shaheen Azim Dewji, Assistant Professor, George W. Woodruff School of Mechanical Engineering, Nuclear and Radiological Engineering and Medical Physics Programs, Georgia Institute of Technology

Re: Letter of Support for Georgia Institute of Technology's DOE Proposal: "Radiation Protection Workforce Modernization for Reactor Safety: AI-Driven Analytics, Real-Time Dosimetry, Advanced Metrology, and VR-Enhanced Training"

Date: January 5, 2025

Dear Dr. Dewji,

The Health Physics Society (HPS) is pleased to provide this letter of support for your proposal, "Radiation Protection Workforce Modernization for Reactor Safety: AI-Driven Analytics, Real-Time Dosimetry, Advanced Metrology, and VR-Enhanced Training," submitted under the Department of Energy Nuclear Reactor Safety Training and Workforce Development Program (DE-FOA-0003410).

Georgia Tech's proposal addresses the critical need to modernize radiation protection education and training, aligning with the rapidly evolving technological landscape and the increasing demands of advanced reactor systems. This initiative highlights critical components of workforce development, including the creation of innovative curricula, incorporation of advanced technologies, and alignment with industry and regulatory standards. These efforts are foundational to ensuring that the next generation of health physicists is equipped to address the operational, safety, and radiological challenges of modern nuclear energy systems.

The investigators leading this initiative bring exceptional and longstanding credentials in their respective areas of expertise. Their demonstrated success in developing and implementing innovative educational frameworks positions this initiative for impactful outcomes. The proposed program leverages Georgia Tech's institutional strengths and commitment to advancing the nuclear workforce, ensuring it meets the demands of both current and future technologies.

HPS is prepared to support the proposal through conference forums at HPS meetings, the publication of papers in *Health Physics*, and promotion of student involvement through scholarships and fellowships. These efforts will amplify the program's reach and impact, helping to address critical workforce gaps in radiation protection and reactor safety.

HPS recognizes the importance of this initiative in addressing workforce challenges, particularly those posed by the deployment of advanced reactor systems and the integration of emerging technologies. By modernizing training and fostering cross-disciplinary collaboration, this proposal aligns with HPS's mission to promote radiation safety through education and professional development.

If you have questions or concerns, please don't hesitate to reach out to Liz Brackett, ebrackett@mjwcorp.com.

Sincerely,

Elizabeth Brackett, CHP
HPS President 2023-2025

Mike Lewandowski, CHP
HPS President-Elect, 2024-2025