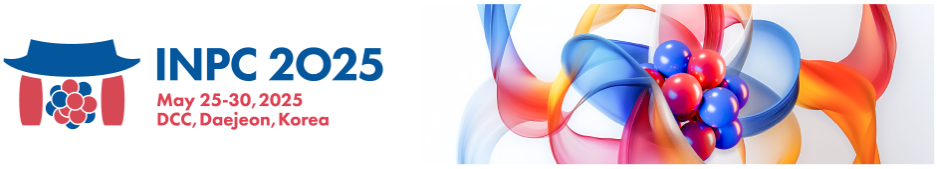

Contribution ID: **317** Type: **Invited Talk for Parallel Sessions (Invitation Only)**

Training the Future Workforce in Nuclear Science: Challenges and Opportunities

Friday, 30 May 2025 11:00 (25 minutes)

A sustained and skilled workforce is crucial for advancing nuclear science, both in uncovering the fundamental building blocks of matter and in developing innovative nuclear technologies. This presentation underscores a long-term dedication to training and inspiring students across all educational levels—from middle and high schools to universities—through active engagement in nuclear physics research projects. Additionally, it highlights ongoing efforts and future initiatives to expand global STEM outreach via the cosmic ray muon detector network, gLOWCOST, designed at Georgia State University to monitor dynamic changes in space and terrestrial weather. Our STEM model is: "Inspire to learn, Empower to know, Engage to participate, and Enjoy to live."

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