



real challenge for universities lies in how to embrace this rapidly evolving technology and leverage its benefits rather than avoid it. I believe the key lies in fostering critical thinking in the use of AI: understanding how AI systems function, recognizing their limitations, and being familiar with the different types of AI models. Additionally, although it can be challenging, developing strong engineering ethical frameworks around digital technology will be essential.

### ***Are there other technologies coming that will benefit nuclear engineering education?***

As computing capabilities continue to grow exponentially and as the nuclear power sector transitions from analog to digital systems, it is essential to incorporate emerging technologies into nuclear engineering education. Some examples may include advancements in digital twinning, high-fidelity simulation, quantum technologies, and advanced

nuclear manufacturing. Additionally, immersive visualization techniques may offer promising opportunities to enhance learning by providing students with more realistic and interactive experiences than we could provide in the past.

### ***How will nuclear engineering education change with the various advanced reactor designs on the drawing board?***

It is my understanding that most of our nuclear engineering colleagues have already integrated advanced reactor technologies into their existing curricula. While foundational knowledge of light water reactor systems and reactor physics remains essential, there is a growing need to broaden the scope to include a wider range of technologies, particularly in areas such as advanced nuclear fuel materials and fabrication and the back end of the nuclear fuel cycle.

*Continued*

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