

resulted in codified, ongoing preservation efforts that ensure the TMI-2 historical record will continue to be supplemented, even through active decommissioning of the facility to its ultimate license termination.

What is your secret talent that few people know? I play oboe and English horn with

several central Pennsylvania-based community ensembles.

What is the top song on repeat on your Spotify right now? “right where you left me” by Taylor Swift.

Christopher Perfetti



Perfetti developed groundbreaking sensitivity analysis algorithms for Monte Carlo transport, advancing nuclear criticality safety. His research interests include reactor physics, criticality safety, sensitivity and uncertainty analysis, code validation, Monte Carlo methods for radiation transport, reactor fuel cycles, and isotope production. Perfetti has served as the chair of the ANS Reactor Physics Division and has led major conferences like PHYSOR 2024 and M&C 2025.

When you reflect on your career so far, which achievement stands out most? I am most proud of my work developing algorithms for generalized and depletion perturbation theory in Monte Carlo radiation transport codes. Developing such algorithms had been an unsolved problem in the nuclear engineering

Age: 39

Title: Associate professor, University of New Mexico

Hometown: Clearwater, Fla.

methods development community for more than 50 years. These new methods have opened up entirely new fields of opportunity for better understanding the sources of uncertainty in reactor design and nuclear fuel cycles, developing more rigorous benchmark measurements, and calibrating uncertain cross-section or physics data.

What is your secret talent that few people know? I do not have an especially great memory, but I am unusually good at memorizing digits of pi. I also memorized 200 digits of e during a three-hour bus ride to a mathematics competition in high school.

Continued

Congratulations Chris & Catherine

for being recognized among the **40 Under 40**
shaping the **future of nuclear energy!**

We proudly celebrate our employees who are making an impact through their leadership, innovation and dedication to the industry.



Christopher Wagener
Senior Fuel Business Director
16 years of service



Westinghouse



Westinghouse
Electric Company



@WECNuclear



Catherine Prat
AP1000® Project Engineering Lead
13 years of service