

# Foreword

## Selected papers from the 2018 American Nuclear Society Student Conference

*Guest Editor*

Lane Carasik

*Virginia Commonwealth University*

This issue of *Nuclear Technology* features selected papers from the 2018 American Nuclear Society (ANS) Student Conference, hosted at the University of Florida in Gainesville, Florida, April 5–7, 2018.

The ANS Student Conference is a student-organized conference dedicated to engaging nuclear science and engineering students through professional society involvement in their field of study. The conference series includes the participation of students and professionals from all over the United States and world. In 2018, the University of Florida hosted with the theme of “Nuclear Equality: in policy, energy access, and the engineering community.” The conference highlighted issues such as improving the political and economic environment for

nuclear energy and the role nuclear can play in providing clean and reliable access to energy. Another goal was to provide today’s student with the insight to be tomorrow’s successful engineer in an increasingly diverse community. The 2018 ANS Student Conference saw a total of 148 papers presented and 448 attendees, with 370 students and 78 professional attendees.

The conference committee invited papers covering topics from all sectors of the nuclear field, with a special session on international applications. Three expanded papers successfully completed a peer-review process conducted by academic researchers, U.S. national laboratory scientists, and industry professionals and are included in this special issue.