



School of Undergraduate Studies

ANS Student Chapter Meeting/Webinar

Date/Time: January 17, 2019, 7-8 pm EST

[HTTPS://GLOBAL.GOTOMEETING.COM/JOIN/597025525](https://global.gotomeeting.com/join/597025525)

Meeting commenced with a welcome note by Tim Pafundi. Chapter President Cody McClanahan introduced today's webinar speaker Prof. Tom Mazour. In his detailed presentation, Prof Mazour discussed the causes and consequences of the Fukushima nuclear accident. The accident was triggered from the M9.0 earthquake off the eastern coast of Japan, 120 miles from the Fukushima site, on March 11, 2011. The plant wasn't designed for 14-m high tsunami flooding and disabling the plants safety systems. Core melt and Zr-water reaction led to hydrogen explosion and radiation exposure. Over 92% of dead/missing were due to the tsunami (drowning, stress, etc.) while there was no radiation related death. Nonetheless, the Fukushima plant accident contributed (23%) to the economic loss from the earthquake and the tsunami that totaled over \$250 billion.

Chapter VP Frank Pulciano gave closing remarks and vote of thanks.