

Mound Science and Energy Museum Association (MSEMA)

presents

"Further Development of Radioisotope Generators since New Horizons" *by Andrew Zillmer*

Wednesday, January 24, 2024

7:00 pm

Mound Cold War Discovery Center, 1075 Mound Rd. Miamisburg, Ohio

Notes: (1) This Lecture will be given online using Zoom or you can come to MCWDC (1075 Mound Road) for live streaming on the "big screen."

(2) IF watching from home, please join the Zoom Call before 6:55 pm! IF you are watching at the Discovery Center, 7 pm is the start time!

Join Zoom Meeting

<https://us06web.zoom.us/j/89086242407?pwd=oTvVUZx7IfN0EiFjwkql8cggehE7L5.1>

Meeting ID: 890 8624 2407

Passcode: 418896

Background: Idaho National Laboratory's (INL's) Space Nuclear Power and Isotope Technologies Division assembles and tests Radioisotope Power Systems at INL's Materials and Fuels Complex, then delivers the systems for use in remote, harsh environments such as space. Generators fueled and tested at INL are currently powering the Mars Science Laboratory Curiosity rover (launched in 2011) and most recently, the Perseverance Rover (launched in 2020). The next MMRTG will power the Dragonfly rotorcraft lander mission to explore Saturn's largest moon, Titan. Dragonfly is scheduled to launch in 2026. INL would fuel and test that power source.



Speaker's Biography: Andrew Zillmer is INL's Deputy Division Director for Space Nuclear Power and Isotope Technologies and Program Manager for Isotope Technologies. His duties include development and deployment of radioisotope power systems and space nuclear reactors and isotope production for government and commercial customers. He has more than 20 years of engineering and leadership experience across aerospace, technology, and energy markets. As chief engineer for nuclear thermal technologies at Aerojet Rocketdyne, he led teams engineers to design and model nuclear propulsion systems. He holds master's degrees in engineering management and systems architecture & engineering from University of Southern California. Andrew also holds bachelor's degrees in Physics, Astronomy, and Nuclear Engineering and a master's degree in Nuclear Engineering & Engineering Physics from the University of Wisconsin-Madison.

For additional details on this presentation call 937-247-0402 (MCWDC) or 937-353-4457 (MSEMA). The presentation is free and open to the public and has ample free parking.