



**Thorium Energy Alliance Presents Pro-Nuclear Technology and Economics at AIST 2023, Help Save MSRE Artifacts, Opportunity to Stream Nuclear Now**

**TEA Speaks at AIST 2023**

John Kutsch recently spoke to audiences at the Association for Iron and Steel Technology Annual Conference in Detroit. The presentation focused on how high-temperature process heat could provide the steel industry a source of green hydrogen to drive the critical reactions. The bulk of the message centered around comparing nuclear-generated heat, such as from Molten Salt Reactors, with renewable sources. The unaccounted costs associated with wind and solar-derived hydrogen fail to make them technologically nor economically feasible in the steel industry; which requires huge amounts of **energy** at a 24/7/365 rate. Kutsch also made the point that the massive water needs in any hydrogen production system, whether for iron reduction, ammonia, or synthetic fuels, is rarely taken into full account. Additionally, wind and solar proponents have failed in making true assessments in regards to actual input costs for their systems along with understating the hydrogen cost factors. Nuclear generation, driven by the "always on" status, is the surest **energy** source to clean up what has always been a major industrial contributor to GHG emissions. Globally, it is estimated that iron and steel production accounts for 8-10% of all CO2 emissions. The Iron and Steel Technology Association, together with private steel makers, have taken recent steps exploring alternative fuels, but without nuclear leading the way, it may end up being a lot of green-washing and little actual improvements.



**Help Preserve the Legacy of Alvin Weinberg**

During the design and build of the Thorium Exhibit for the National Museum of Nuclear Science and History last year, the TEA was in talks with the DoE to attempt to save any remaining artifacts from the MSRE at Oak Ridge National Lab. This reactor was a major achievement in the work and career of Alvin Weinberg, and deserves our efforts to preserve as much as possible. Despite many calls and discussions with multiple departments and organizations, the read tape became too much while we were preparing for the conference. We were able to get a trove of old photographs related to the project we have been getting cleared for a public archive. If these physical items are not saved, they will surely be sent to the trash at a very high cost to the taxpayers.

This is a call to anyone who can help save any of the remaining artifacts from the MSRE. If saved, there are multiple museums and public collections worthy of exhibiting these treasures of our nuclear past.

If you'd like to express your desire to save these historical artifacts, please let the following decision makers know by directly reaching out to:

Dr. Kathryn Hoff, Assistant Director, Office of Nuclear Energy - DOE,NE ([contact](#))

Oak Ridge Office of Environmental Management - OREM ([contact](#))

United Cleanup Oak Ridge LLC - UCOR ([Contact](#))



## Stream Nuclear Now for Free - Limited Time Left

If you missed the opportunity to watch Oliver Stone's Nuclear Now documentary in theaters, our colleagues at [Nucleation Capital](#) have taken a license and are hosting a virtual screening room for those who would still like to view the film through **June 20th**. Rod Adams, a managing partner at Nucleation Capital, is featured prominently throughout the film for his expertise on the subject. Nucleation Capital is pleased to share the info to give you access to our free Screening Room here:

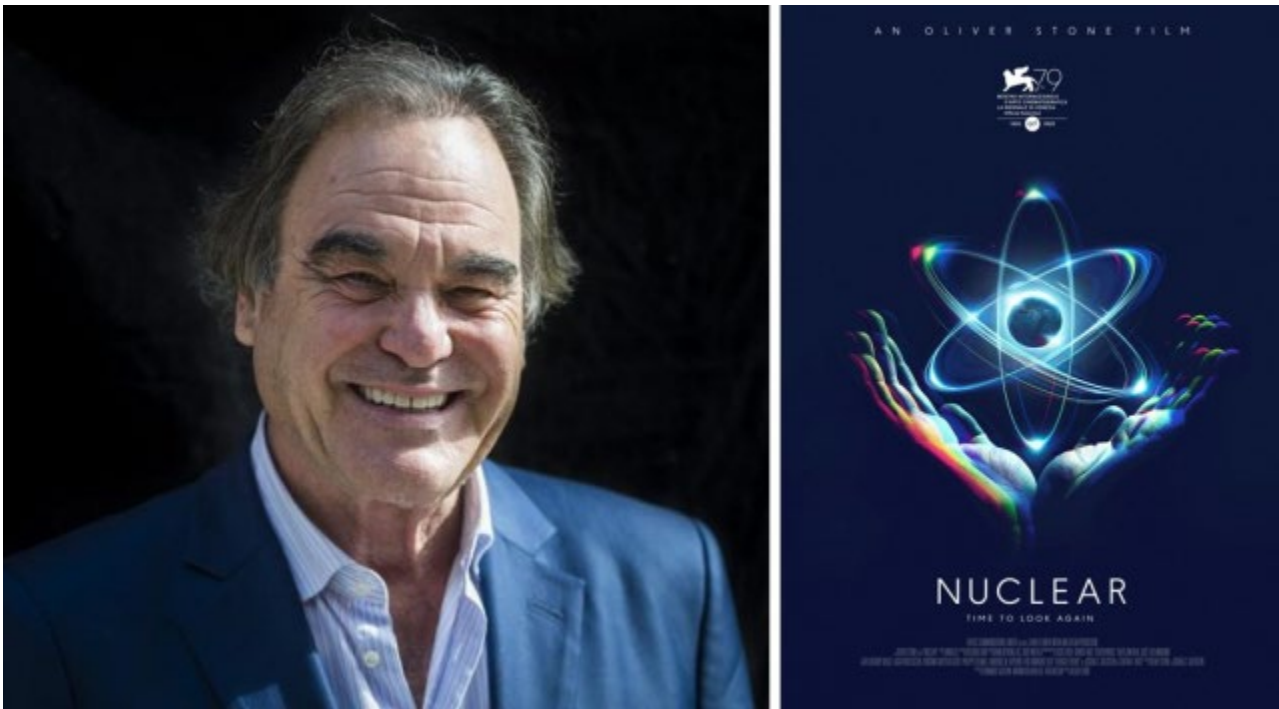
### Nucleation’s Free Nuclear Now Screening Room

Use this link to access our [Screening Room](#) at RoCo.

First click “Register Now” and enter your info. Then use the following to complete your registration:

Invitation Code: **NCA-NOW**

Institution: **Nucleation Capital**



## Social Media Intern Needed - Contact the TEA Today!

If you or someone you know would like a summer internship to coordinate Thorium Energy Alliance's social media platforms contact us today. A social media intern would support the digital media staff to develop and implement outreach and promotional campaigns to boost TEA's outreach and online presence. The duties and responsibilities include:



Email [admin@thoriumenergyalliance.com](mailto:admin@thoriumenergyalliance.com) to inquire for this position.

## Support the TEA today!

The Thorium Energy Alliance just received another car donation! Thanks to another generous supporter for another much-needed vehicle donation. Let us know if you'd like to donate a car or other vehicle to the cause.

Your generous support keeps us going. You can help in many ways including:

- [Donate](#) or Become a [Supporting Member](#)
- [Donate that old car](#)
- [Buy a shirt](#)

So grateful to everyone who has made all of our successes a reality. 2023 is shaping up to be the best Thorium Year yet!

John Kutsch  
Executive Director

**Support the TEA**

