

Week 4 Discussion: Evaluating Sources Strategically

For this week's assignment, you will complete a Literature Review. The goal of a Literature Review is to gain an understanding of the existing research and debates relevant to a particular topic or area of study and to synthesize that information through critical analysis.

To help you to succeed, this week's discussion will provide you the opportunity to share your strongest source with your fellow classmates. Here is what you need to do for your initial post.

1. First, provide the full source reference in APA style.
2. Next, summarize the source in your own words in a well-developed paragraph.
3. Finally, assess the source. Explain what qualities make it especially valuable.

In your follow-up posts, respond to the posts of your fellow students and build upon their ideas.

Reference

Yurman, D. (2020, February 7). *A Forecast for the Future of GEN IV Reactors ~ A 50/50 Chance of Success for Three Types*. Neutron Bytes. Retrieved from <https://neutronbytes.com/2020/02/07/a-forecast-for-the-future-of-gen-iv-reactors-a-50-50-chance-of-success-for-at-least-three-types/>

Summary

According to new research, Gen IV systems outperform today's technology in terms of performance and sustainability. High-temperature coolants like helium, liquid metals, liquid salts, or supercritical water provide more design freedom, allowing for considerable gains in thermal efficiency while also expanding industrial heat applications that can significantly reduce fossil fuel consumption. When combined with sophisticated closed fuel cycles, certain Gen IV systems can increase uranium usage by a factor of up to 100, providing ample fuel supplies for fission reactors to provide energy for decades to come. In the long run, thorium-based alternate fuel cycles could power some of the Gen IV technologies. Furthermore, sophisticated recycling methods enable the ultimate waste's volume and radiotoxicity to be securely kept in deep geological repositories. (Yurman, 2020).

Assessment

I feel like this resource is strongest because it illuminates the unique designs of Gen IV reactors, their variances and the likelihood of success.

Tiana Williams

Professor,

<https://techjury.net/blog/virtual-reality-statistics/#gref> (Links to an external site.)

The article breaks down the statistics of virtual reality that will sky rocket the market in 2021 and what it holds for the near future. Augmented reality (AR) and Virtual reality (VR) will grow by 2022. Augmented reality (AR) uses real-world settings, whereas virtual reality (VR) is just wholly virtual. They track both market and user statistics researching how many people use AR and VR and its sales