NUCLEAR ENERGY

THE BETTER ENERGY

FEBRUARY | NEWSLETTER | 2020

Nuclear Energy - The Better Energy is an initiative to create awareness about the benefits of Nuclear Energy and to help the society get rid of the fears and misconceptions related to this environment friendly source of energy. We proudly present our February newsletter.

NUCLEAR 101

Nuclear 101 is a section where we will bring to you some of the most basic concepts of Nuclear Physics explained in a non-specialist way

The Earth that we live on is in itself a source of radiation. Radioactive materials like Uranium, Thorium and their decay products occur naturally in rocks, soil, water and vegetation.

The exposure received by Terrestrial radiation also differs for different parts of the world depending upon the uranium/thorium content of the soil of that area. The average dose from terrestrial radiation is 0.2 rem per year and the good news is that our body knows how to handle it and has been handling it ever since it came into existence.

DID YOU KNOW?

"Without nuclear, even if we achieved net-zero new emissions globally, we'd continue to add extra heat at the same rate we are adding it today." - Bret Kugelmass, Opinion Contributor at USA Today.
Read his article **Want to stop climate change? Embrace the nuclear option** to know why achieving 'net zero' isn't enough.

• ARTICLE OF THE MONTH •

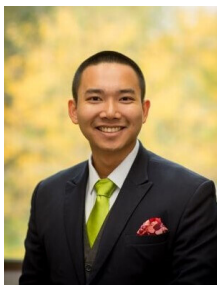
Super U - Uranium

Uranium was discovered in the 1789, shortly after the discovery of Uranus, the planet that it draws its name from. Uranium is Earth's heaviest naturally-occurring element and has been located in all seven continents. It has even been detected in seawater in extremely low concentrations. Uranium is atomic number 92 and is located in the bottom row of the periodic table called the actinides. It is the most extensively studied actinide element. Uranium has been mined for centuries and has been used to produce electricity in the US since 1958.

READ MORE

Here are the team members at *Nuclear Energy - The Better Energy*

Nirupama Sensharma
PhD Candidate in Nuclear Physics



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