

Virginia ADS Consortium – Thorium Utilization

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A Virginia ADS consortium, consisting of Virginia Universities (UVA, VCU, VT), Industry (Casting Analysis Corporation, GEM*STAR, MuPlus Inc.), Jefferson Lab and not-for-profit ISOHIM, has been organizing International Accelerator-Driven Sub-Critical Systems (ADS) & Thorium Utilization (ThU) workshops¹. The third workshop of this series was hosted by VCU in Richmond, Virginia, USA Oct 2014 with CBMM & IAEA sponsorship and was endorsed by International Thorium Energy Committee (IThEC), Geneva and Virginia Nuclear Energy Consortium Authority.

In this presentation I will give a brief summary of the successful 3rd International ADS & ThU workshop proceedings and review the worldwide ADS plans and/or programs. Additionally, I will also present a report on new start-ups on Molten Salt Reactor (MSR) systems. Further, I will also open a discussion on potential simplistic fertile ²³²Th to fissile ²³³U conversion.

¹<http://www.adsthu.org/>

¹<http://www.phys.vt.edu/~kimballton/gem-star/workshop/index.shtml>

Prof. Ganapati Myneni

Prof. Ganapati Myneni, Taksha Professor of Physics and also Professor of Homeopathy, graduated from the Indian Institute of Technology Madras (Chennai), India. His Ph. D thesis work was carried out at the Fritz Haber Institute of the Max Planck Society in Berlin, supported by the Joint European Torus (JET) Culham in England, and his post doctoral work was conducted at the Institute of Cryogenics, University of Southampton, England. His areas of expertise and experience include low temperature physics, vacuum and cryogenic instrumentation, surface science, hydrogen in matter and the superconducting science and technology of ingot niobium.



Prof. Myneni now represents several scientific organizations and universities in Virginia, among which is a recent appointment by the Governor of Virginia to serve on the Virginia Energy Council as the representative of the Virginia Nuclear Energy Consortium Authority. In addition, he frequently conducts international conferences and workshops on science and technology on topics of current interest, and has edited several conference proceedings and published numerous papers in peer-reviewed journals.