

Mr. Richard Hull
Whitlock Group
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[Innsbrook Technical Center](#) - Richmond, VA

"Fusor - An Easy to Construct Fusion Reactor Based on Inertial Electrostatic Confinement"

Download [Mr. Hull's Presentation](#)

Mr. Richard Hull will share his experience with the fusor, a table-top, home-made fusion reactor. Mr. Hull has built and operated four fusors in his Richmond-area home over the past 10 years. Fusors use extremely high voltage -- often more than 10,000 volts of electricity running through a hollow wire sphere -- to pull ions of deuterium (deuterons) toward the center of the device, where some of them collide and fuse into new atoms. They require special equipment to deliver that voltage, but because fusors run at a very low amperage, amateur devices can draw less power from the wall than a big plasma TV. The process produces x-rays and, when fusion actually occurs, fast neutrons, protons, tritons (tritium), and helium 3 nuclei.

Mr. Richard Hull has over 40 years experience in electrical engineering. Mr. Hull received an Associate in Science Electronic Engineering (ASEE) and an Associate in Science Drafting and Design (ASDD) in 1966 from the Richmond Professional Institute (now Virginia Commonwealth University). Mr. Hull is head of the Richmond High Energy Amateur Science group, which has had organized monthly meetings since 1989. Mr. Hull co-authored a peer-reviewed article on high-power water arc explosions in The Journal of Plasma Physics in 2000. Mr. Hull is employed as a Systems Engineer at The Whitlock Group in Richmond, Virginia.