

Potential Use of Nano Technology in the Military

Dr. Patil will discuss COGEN (Cooling& Power) and Fuel cell research efforts at FortBelvoir . The conventional technologies have reached the limits in reducing size and weight. Unique military requirements such as high temperature and ruggedness create new design challenges. The use of Nano technology is providing new opportunities to reduce the size, weight and increase performance of heat exchangers and chemical plants. Researchers at Belvoir are utilizing micro/nano scale heat exchangers in associated military hardware.