

Nuclear Energy projects

Nexus Group : <https://www.nexus.febe.uj.ac.za>



- Large active group
- Strong high quality research projects
- Tech Transfer from CERN
 - Geant4 for Nuclear Reactors
 - Fibre optics for in-core, real-time on-line sensing
 - Pet based Coal sorter
- Innovation and Commercialisation
- Also projects to study
 - Economics of Energy
 - Policy making and Regulation
 - Use case studies of SMRs in Africa
 - Desalination
 - Hydrogen Economy
 - Synthetic liquid fuels