



香港城市大學  
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## 3-D Immersive Display for Enhancing Teaching on Principles of Fission Reactors (MBE3107- Principles of Fission Reactors)

**Project Number:** 6000500

**Principal Investigator:** Prof Ching Chang CHIENG

**Grant Type:** TDG

**Abstract:**

The project is to apply 3-D immersive display technology to enhance the teaching of the principles of fission reactors

(MBE3107- Principles of Fission Reactors). The application of 3-D immersive display will enable the students to visualize the internal structure of a nuclear reactor core and also its dynamic behavior and thermal characteristics. Through the visualization of a nuclear reactor core inside the pressure vessel, students would learn how to relate abstract theories of fission reactors to the real world in order to develop a deeper understanding of the subject. This project team will draw on the expertise of Prof Jerrfey Shaw's team to develop the contents.