



**Impact of Research Reactors to Education and Society:
a Unique Outreach Program**

PI: Sheldon Landsberger
University of Texas at Austin

Collaborators:

Program: Reactor Sharing

ABSTRACT:

This proposal is a well-integrated approach to simultaneously fast track several aspects of outreach activities in nuclear science and engineering encompassing research reactor tours to disadvantaged communities and Austin Community College, and to offer research opportunities to high school and undergraduate students. In addition, one-day workshops for teachers from disadvantaged communities will be provided twice a year. There are three major objectives to this proposal which include 1. to have a strong outreach program to K-12 and community college students in the Austin area including those from disadvantaged communities, 2. to offer four 6-week internships to three universities including one Texas Southern University a Historically Black College or University (HBCU) and Florida International university and University of Incarnate World two Minority Serving Institutes (MSIs), and 3. to actively engage our faculty and Nuclear Engineering Teaching Lab staff, undergraduate and graduate students in outreach activities by providing presentations of their current research using our TRIGA reactor and visiting the academic institutions. This timetable will require a great deal of personal interaction and recruiting and the development of a website to advertise the outreach program and all its individual components and webpage to apply. A link to this website will also be sent to principals, and departmental chairs at the academic institutions. Dr. Sheldon Landsberger is the Principal Investigator and Director of the Project and Dr. William Charlton, Director of the Nuclear Engineering Teaching Lab, is the Co-Principal Investigator.