

**Executive Summary:**

Since 1992, the University of Nevada, Reno (UNR) has conducted externally-funded research on the response of spent nuclear fuel transport casks to fire accident conditions, and performance and reliability of materials in advanced nuclear power applications. This work has been funded by the NRC, DOE, National Laboratories, the State of Nevada and a private corporation. The proposed grant will initiate a Fellowship Program in Materials and Thermal Science for Nuclear Power that supports outstanding students to earn graduate degrees at UNR. The goal is to increase the number and quality of students receiving MS and Ph.D. degrees at UNR who are able to support the design, construction, operation, and regulation of nuclear facilities, and the safe handling of nuclear materials. Fellows will spend one summer at the NRC, a National Laboratory, or an industrial nuclear facility. This will allow them to gain work experience and develop professional contacts, which will help them find an appropriate nuclear related professional placement after graduation.

**Co-Principal Investigators:**

Dev Chidambaram, [dcc@unr.edu](mailto:dcc@unr.edu)

Miles Greiner, [greiner@unr.edu](mailto:greiner@unr.edu)