

**Executive Summary:**

The Colorado School of Mines (CSM) proposes to establish a graduate fellowship program to increase graduate enrollment in our new nuclear science and engineering degree (M.S. and Ph.D.) programs. The CSM graduate program in Nuclear Science and Engineering delivers a traditional graduate degree program (M.S. and Ph.D. in Nuclear Engineering), along with several nuclear science and engineering related graduate minors (including nuclear engineering, nuclear materials processing, nuclear detection, and nuclear geoscience and geoengineering). The funding requested will support four graduate fellowships with the intention to attract top students to our new programs through a combination of tuition support, a generous monthly stipend, and a book/conference travel allowance. Potential Fellows will be nominated by faculty members participating in the Nuclear Science and Engineering Program and the nominating faculty member must agree to supply half of the nominated Fellow's tuition and stipend. Leveraged funding from CSM is also available to support this cost-sharing requirement. Particular emphasis will be placed on encouraging and tracking the Fellows' academic and research progress. While predominantly aimed at Ph.D. candidates, outstanding M.S. students will also be considered.

**Principal Investigator:** Jeffrey King, [kingjc@mines.edu](mailto:kingjc@mines.edu)