

Executive Summary:

The principal objective of this proposal is to empower UPRM for the Nuclear resurgence by promoting faculty development in nuclear related areas. Specifically, we intent to support Dr. Silvina Cancelos for research activities in the area of thermohydraulics, specifically two-phase flows related to nuclear reactor safety and development of enabling technologies for the next generation of high temperature reactors. These research activities will broad the education initiatives already undergoing at UPRM and it will give our undergraduate and graduate students the knowledge and expertise to reload the nuclear workforce. This project will directly impact one graduate student, 12 undergraduate students and the introduction in the academic offering of UPRM of a Minor in Nuclear Engineering.

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