

## **Executive Summary**

### **Academic Development Program for a Junior Faculty in NC State's Department of Nuclear Engineering**

The ultimate goal of the proposed program is to nurture the academic career of a new faculty member to be hired into the Department of Nuclear Engineering at the North Carolina State University in Fall 2010. This will be accomplished by supplementing the standard resources typically provided to a newly hired faculty member in the form of a startup package provided by the hiring college and department with additional resources requested in this proposal. The hired faculty member will be mentored by senior faculty in the Department, and will be afforded advice on means to best utilize this combination of standard and supplementary resources to propel their academic career towards success. The benefit to the faculty member will be realized when he/she eventually receives tenure thus consolidating their academic career path and embarking on the next stage by preparing for promotion to a higher rank. The benefit to the Department is the ability to attract top talent to apply for the open positions, and to retain them in an academic career once hired. The benefit to the fields of nuclear science and engineering is to replenish and rejuvenate the cadre of academicians who will shape the future of nuclear energy in the US and globally through their research and by educating a new generation of nuclear professionals essential to implementing the nation's nuclear agendas.

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