Faculty Development in Nuclear Science and Engineering at UML

Executive Summary:

University of Massachusetts Lowell (UML), with a new Nuclear Science and Engineering Initiative, anticipates adding two new faculty to its Radiological Sciences Program in the Department of Physics and Applied Physics and to its Nuclear Engineering Program in the Department of Chemical Engineering. This permits a substantial academic growth in these disciplines. By the addition of new faculty in these areas our objective is to build sustainable and cohesive Nuclear Science and Engineering academic and research programs, substantially improve and unify the current UML radiological science, health physics and nuclear engineering curricula to reflect the changed needs and new initiatives in the nuclear science and engineering industries and at UML, and leverage existing strengths in the Radiological Science and Nuclear Engineering Programs. A new senior faculty member was hired in Radiological Science in January 2010 as part of the new UML hiring initiative, which has aims to add two new faculty positions supported entirely from UML funds: one in the area of Radiological Sciences and one in Nuclear Engineering. In order to attain sustainability, in the present proposal we request support for start-up funds for these two new faculty members. The funds will be used to attract and retain highly qualified faculty, who will play an integral role in maintaining and advancing the UML Nuclear Science and Engineering Initiative, and will collaborate with existing faculty in the in the College of Science and in the College of Engineering. An Advisory Committee, consisting of both industry representatives and academic peers, will aid the selection of the new hires and will assess the progress of the new faculty as well as that of the Program.

Principal Investigator: Erno Sajo, Erno_Sajo@uml.edu
Co-Principal Investigator: Gilbert Brown, Gilbert_Brown@uml.edu