

Systems Engineering Analysis of the Science Productivity Program for Instrument Improvement Projects

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The large-scale investment program Science Productivity is a vehicle by which to prioritize, stage, plan and implement requests for directorate funding and resource allocations as Instrument Improvement Projects (IIP) to maintain and improve neutron instrumentation at the neutron facilities at Oak Ridge National Laboratory (ORNL), Spallation Neutron Source (SNS) and High Flux Isotope Reactor (HFIR). The program management approach will be discussed based on the author's role as the Deputy Program Manager, and the program analyzed from a systems engineering perspective as part of the author's recent capstone project for an Industrial and Systems Engineering Master's degree at the University of Tennessee. A recommended systems process mapping and guidance document will be summarized for sustainable optimization and integration of the projects into the culture and framework of the work flow of the facilities.

Formal Invitation Letter Required

Yes

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