

Neutron Applications for Taiwan Needs

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Abstract

The applications of the neutrons for our society are evidenced by many successful industrial liaison programs of the neutron facilities. The neutron measurements coupled with complimentary experiments offer important bench-mark events for modeling and simulation work. Here also come the calls for safety examinations, such as railroad transportation and pipes, where the penetration of neutron offers nondestructive examinations to detect the defects and protect human's life in advance. This talk will address these aspects in the context of Taiwan needs and developments, focusing on important factors that contribute to processing, microstructure, properties, performance, and prediction. This talk is to gain feedback from the experts of the characterizations and the users getting together to share new ideas and the latest achievements for the applications. We welcome both experienced and new users to develop network for new collaborations.

Keywords -Neutron, Applications, Industry, Outreach

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