

5:00-5:40

Meeting the future challenges in Bio-Materials Research using neutrons

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When the Spallation Neutron Source, presently under construction in Oak Ridge, Tennessee, comes into operation in 2006 it will provide researchers across the world with unprecedented capabilities for the study of materials using neutron beams. A comprehensive suite of instrumentation is under construction to address new challenges in a wide range of disciplines including physics, materials science, environment, nanotechnology, biology and medical sciences. An overview will be given of the range of applications and promising new areas of research relevant to Biomaterial Interfaces with emphasis on the new capabilities provided by SNS