

Title: ISIS@MACH and Composite Materials: Construction Materials

Abstract:

The talk will address the recent use of the ISIS@MACH neutron gate to access neutron vibrational spectroscopy beam lines at the ISIS neutron source for the study of the interplay between carbon based nanofiller and latex introduction in cements for structural piezo-electrical monitoring of cement-based structures.

Opportunities and outlook initiatives for the study of cement and related materials using neutrons and the ISIS@MACH instrument suite will be also outlined.