



HARVARD UNIVERSITY
17 Oxford Street
Cambridge, MA 02138

Mathematical Picture Language Seminar



Tuesday, November 28

9:30 a.m. Boston time

Jefferson 453

David Evans

Cardiff University

On Quantum Symmetry

Abstract: This talk is part of a programme to understand quantum symmetries and conformal field theory through subfactors and K-theory, in particular twisted equivariant K-theory. Freed, Hopkins and Teleman realized the Verlinde fusion ring of positive energy representations of loop groups through twisted equivariant K-theory of the section algebra of equivariant bundles of compact operators. This raised the possibility of studying such fusion rings or quantum symmetries as modules and bimodules for certain C^* -algebras as well as introducing higher twists through equivariant bundles beyond those of compact operators. This has been pursued in work with Terry Gannon, Andreas Aaserud, Ulrich Pennig and Corey Jones.



Zoom QR Code & Link:

<https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUIJVzZqT3lwV2pCT1ZUQT09>

<https://mathpicture.fas.harvard.edu/seminar>