

*Abstract submitted for 61st Annual Meeting of the Australian  
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**Title:** Functors to categories of manifolds

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**Session:** Category Theory, Algebraic Topology, K-Theory

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In this talk I will describe how Wall's theory of thickenings allows us to define functors on the homotopy category of certain finite CW-complexes with values in groups of certain diffeomorphism classes of manifolds.

I will then report on joint work with Csaba Nagy where establish basic facts and computations for these functors in important special cases.