

# UNBOUNDED KK-THEORY AND KK-BORDISMS

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This talk treats the notion of bordism in unbounded KK-theory, due to Hilsum. We will in this talk see how bordism defines an equivalence relation on the unbounded KK-cycles and the equivalence classes form an abelian group. For a closed manifold  $M$  and a  $C^*$ -algebra  $A$ , the bordism group of  $(Lip(M), A)$ -cycles contain the KK-group  $KK_*(C(M), A)$  as a direct summand. Joint work with Robin Deeley and Bram Mesland.