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## Analysis Seminar

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**C. Gillmore (Helsinki)**

will speak on

### **Hypercyclicity of Derivations**

Tue 27th September 2016 at 3:00PM

Location:

Linear dynamics has been a rapidly evolving area of operator theory since the late 1980s. I will begin by recalling some basic examples and the pertinent notions of hypercyclicity in order to discuss the dynamics of bounded linear operators in the infinite-dimensional setting. The primary goal is to examine the hypercyclicity of generalised derivations  $Smapsto AS - SB$ , for fixed operators  $A, B$ , on spaces of operators. Hitherto the principle result in this setting has been the characterisation of the hypercyclicity of the left and right multipliers. The main example I will show is the existence of non-trivial hypercyclic generalised derivations on separable ideals of operators

This talk is part of the **Analysis** series. For more, see  
<https://maths.ucd.ie/seminars>