Arts and Sciences Symposium

Thursday 11th June 2015 G16 (The MAGIC Room)

Led by

Dr Emily Howard (Leverhulme Artist in Residence 2015)
Professor Lasse Rempe-Gillen (Professor of Pure Mathematics)

Department of Mathematical Sciences, University of Liverpool

All Welcome to Attend

Schedule:

12.30 - 13.00 Coffee

13.00 - 13.40 Introduction

Composer Emily Howard and mathematician Lasse Rempe-Gillen will introduce some of the aims and objectives of their current Leverhulme Trust-funded collaboration, with a focus on Howard's composition *Leviathan* (2015), influenced by Rempe-Gillen's recent research in dynamical systems.

13.40 - 15.00 Research Presentations

Calculating the Anomalous Magnetic Moment of the Muon
Alex Keshavarzi (PG Theoretical Physics, Department of Mathematical Sciences, University of Liverpool)

Orchestrating Fractals: An Analysis of Treading Water (2015) for Symphony Orchestra Ben Parker (UG 4 Composer, Royal Northern College of Music)

Single Crystals for Thermoelectrics Applications
Ebénézer Tetsi (PG School of Physical Sciences, University of Liverpool)

The Moon Cycle: Simple integer relationships and how they were used to mark out discrete formal sections and conjunctions within a cycle of inter-referencing works inspired by the Laplace resonance of Io, Europa and Ganymede.

Zakiya Leeming (PG Composer, Royal Northern College of Music)

15.00 - 16.00 General Discussion

Taking the presentations as our starting point we seek to find and explore constructive ways for communicating research ideas between artists and scientists, and hope that this event will lead to further collaborations between postgraduate scientists and artists. Researchers and students from all disciplines are warmly invited to join the discussion.





