

# South Wales Analysis and Probability Seminar

Cardiff University  
27 March 2019

**Karl Micheal Schmidt** (Cardiff)

13:00–13:45

On Singular Positive Definite Functions

**Friedemann Brock** (Swansea)

13:45–14:30

A unified approach to symmetry for semilinear equations associated to the Laplacian on  $\mathbb{R}^n$

**Nikolai Leonenko** (Cardiff)

15:00–15:45

Fractional Pearson Diffusions and Continuous Time Random Walks

**Farzad Fathizadeh** (Swansea)

15:45–16:30

Heat kernel expansion of the Dirac-Laplacian of multifractal Robertson-Walker metrics

**EPSRC**

Engineering and Physical Sciences  
Research Council

<https://jbenartzi.github.io/SWAP/>

Organisers:

Jonathan Ben-Artzi (Cardiff)  
Dmitri Finkelshtein (Swansea)