

# LMS joint research group: New mathematical methods for open quantum systems

## Imperial College meeting

22nd of September 2017  
Imperial College London  
Huxley Building, Room 139

Organisers: Sven Gnutzmann (University of Nottingham), Roman Schubert (University of Bristol), Eva-Maria Graefe (Imperial College London)

### Programme

**10:30** Coffee and Welcome

**10:50** **Dmitry Savin** (Brunel University London)

Transmission via a simple mode on a leaky chaotic background

**11:40** **Robert Nyman** (Imperial College London)

Driven-dissipative Bose-Einstein condensation of just a few photons

**12:30** Lunch

**14:00** **Mariagiovanna Gianfreda** (Institute of Applied Physics, Florence)

PT-symmetric Lotka-Volterra equations: a model of immune response

**14:50** Coffee and time for discussions

**15:45** **Julia Cen** (City University London)

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**16:15** **David Newman** (Imperial College)

Quantum Thermodynamics at Strong System-Reservoir Coupling

**16:45** Concluding remarks and drinks reception

Please register your attendance by emailing [e.m.graefe@imperial.ac.uk](mailto:e.m.graefe@imperial.ac.uk) by the 14th of September.