

**Mathematical Ecology: Theory and Applications (META)**

**Joint Research Group in the UK - LMS Scheme 3**



**META WORKSHOP**

***Uncertainty and predictability in ecology***

**UNIVERSITY OF LEICESTER (UK), 6<sup>TH</sup> APRIL 2017**

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**PROGRAMME**

**10:55–11:00** **Opening & introductory address**

**11:00–12:00** **[Robert Holt](#)**

*Reflections on apparent competition: a 40-year anniversary*

**12:00–12:30** **[Axel Rossberg](#)**

*What can we and what can't we predict in community ecology?*

**12:30–13:00** **[Max Souza](#)**

*Predator-prey dynamics: mass action models, functional responses, and the PDE viewpoint*

**13:00–14:30** **[Lunch](#)**

**14:30–15:30** **[Ludek Berec](#)**

*Happy but frustrated: Allee effects help control pests but are hard to estimate*

**15:30–16:00** **[Natalia Petrovskaya](#)**

*'Heads or tails': choosing between deterministic and probabilistic approaches to evaluation of the population abundance from sparse data*

**16:00–16:30** **[Sergei Petrovskii](#)**

*Catching ghosts with a coarse net: use and abuse of spatial sampling data in detecting synchronization*

**16:30–16:50** **[Coffee break](#)**

**16:50–17:30** **General discussion & synthesis**