

Workshop on Differential-Delay Equations: theory and applications

University College London, 26–27 February 2014

PROGRAMME

Wednesday, 26 February 2014: D103, 25 Gordon Street

13:00–13:35: **Sjoerd Verduyn Lunel**, Utrecht University

Mixed-type functional differential equations, holomorphic factorization and applications

13:40–14:15: **Stephen A. Gourley**, University of Surrey

Resistance to larvicides in mosquito populations and how it could benefit malaria control

14:20–14:55: **Jaume Llibre**, Autonomous University of Barcelona

The Kaplan and Yorke method for studying the periodic solutions of some delay differential equations

15:00–15:30: **Break**

15:30–16:05: **Benoit Huard**, Northumbria University

Global stability and oscillations in a two-delay model of glucose-insulin regulation

16:10–16:45: **Andrew Pickering**, Universidad Rey Juan Carlos

Auto-Bäcklund transformations for differential-delay equations

16:50–17:25: **Robert Szalai**, University of Bristol

Transforming continuum mechanical models of elastic structures into delay-equations to study the effect of non-smooth contact forces

17:30: **Close**

Thursday, 27 February 2014: Conference Suite 3, 188 Tottenham Court Road

09:30–10:05: **Gábor Stépán**, Budapest University of Technology and Economics

Delayed dynamical systems in engineering: where the rubber meets the road

10:10–10:45: **Risto Korhonen**, University of Eastern Finland

Value distribution and differential-delay equations

10:50–11:20: **Break**

11:20–11:55: **Yuliya Kyrychko**, University of Sussex

Stability and synchronisation in systems with discrete and distributed time delays

12:00–12:35: **Peter Grindrod**, University of Oxford

DDEs in neurodynamics: how can a brain do what it does? What do DDEs suggest is happening?

12:40–13:55: **Sandwiches/close**