

Autumn Term 2011/2012

Monday 7 November 2011

Media and Motion

Organisers: Dwight Barkley (Warwick) and Andreas Dedner (Warwick)

All talks will be in Room B3.02, Mathematics Institute, University of Warwick

12:00-13:00 Lunch in the Mathematics Institute Common Room

13:00-13:15 **Welcome and Introductory Remarks**

13:15-13:55 **Chris Cantwell** (Imperial)

Towards real-time clinical utility of high-order atrial modelling

14:00-14:40 **Chandrashekar Venkataraman** (Warwick)

Solving reaction-diffusion systems on moving domains

14:45-15:25 **Vadim Biktashev** (Liverpool)

Evolution of Spiral and Scroll Waves of Excitation in a Mathematical Model of Ischaemic Border Zone

15:30-16:00 Tea in the Mathematics Institute Common Room

16:00-16:40 **Hans Dierckx** (Ghent)

The velocity-curvature relation for wave fronts in anisotropic excitable media

16:45-17:00 **Irina Biktasheva** (Liverpool)

BeatBox - HPC Environment for Biophysically and Anatomically Realistic Cardiac Simulations

17:00-17:15 **Spencer Sherwin** (Imperial)

What stops high order codes running efficiently at low order and vice versa?

17:30 Drinks and snacks in the Mathematics Institute Common Room

Talks will be held in the Mathematics Institute, Zeeman Building, University of Warwick
For detailed MIR@W programmes please see our website: go.warwick.ac.uk/miraw/days