

## MOPNET Meeting 6

University of Bath  
Monday April 2nd to Tuesday April 3rd 2012

All lectures will take place in the Wolfson Lecture Theatre of the 4 West building (also known as room 4W1.7), Department of Mathematical Sciences, University of Bath. Coffee and Tea will be served in the 4W Level 1 Atrium outside the Wolfson Lecture Theatre. Lunch will be served in the Social Space on Level 4 of the 4 West building.

### Schedule

#### Monday, 2nd April 2012

until 9:30	Arrival and Opening	
9:30 - 10:30	<b>Patrick Joly</b> (ENSTA ParisTech)	<i>Mathematical modelling of non homogeneous coaxial cables for time domain simulation</i>
10:30 - 11:00	Coffee/Tea in 4W Atrium	
11:00 - 12:00	<b>Rafael Benguria</b> (Universidad Católica de Chile)	tba
12:00 - 13:30	Lunch (and discussions)	
13:30 - 14:30	<b>Charles Johnson</b> (The College of William and Mary)	<i>Eigenvalues, Multiplicities and Graphs</i>
14:30 - 15:30	<b>Valeria Simoncini</b> (Università di Bologna)	<i>The rational Krylov subspace for parameter dependent systems</i>
15:30 - 16:00	Coffee/Tea in 4W Atrium	
16:00 - 17:00	<b>David Krejčířík</b> (Nuclear Physics Institute ASCR, Czech Republic)	<i>Waveguides with non-Hermitian boundary conditions</i>
17:00 - 17:30	MOPNET Scientific Committee Meeting	
17:30 - 19:00	Discussions/Walk/Busses into Bath City Centre	
from 19:00	Dinner at The Eastern Eye (Indian Restaurant, <a href="http://www.easterneye.com/">http://www.easterneye.com/</a> ).	

#### Tuesday, 3rd April 2012

9:00 - 10:00	<b>Christiane Tretter</b> (Universität Bern)	<i>Quadratic numerical range (QNR) of analytic block operator matrix functions</i>
10:00 - 10:30	Coffee/Tea in 4W Atrium	
10:30 - 11:30	<b>Karl Meerbergen</b> (KU Leuven)	<i>The solution of two-parameter eigenvalue problems arising from the determination of Hopf bifurcations of dynamical systems</i>
11:30 - 12:30	<b>Emre Mengi</b> (Koç University)	<i>Optimization of Eigenvalues of Hermitian Matrix Functions and Applications</i>
12:30 - 14:00	Lunch (and discussions)	
14:00 - 15:00	<b>Dmitri Vassiliev</b> (UCL)	<i>Spectral theory of first order systems: an interface between analysis and geometry</i>
15:00 - 15:30	Coffee/Tea in 4W Atrium	
15:30 - 16:30	<b>Charles Johnson</b> (The College of William and Mary)	<i>New Generalizations of the Field of Values to Pairs of Matrices</i>

We hope you have an enjoyable and stimulating meeting!