

	Monday 17 <sup>th</sup>	Tuesday 18 <sup>th</sup>	Wednesday 19 <sup>th</sup>	Thursday 20 <sup>th</sup>	Friday 21 <sup>st</sup>
9.30-10.00	Welcome	Robert Gray <i>Lecture 3</i>	Mike Prest <i>Lecture 2</i>	Mike Prest <i>Problems 2</i>	Diane Maclagan <i>Lecture 2</i>
10.00-10.30	Robert Gray <i>Lecture 1</i>				
10.30-11.00		Coffee/Tea	Coffee/Tea	Coffee/Tea	Coffee/Tea
11.00-11.30	Coffee/Tea	Group work	Group work	Diane Maclagan <i>Lecture 1</i>	Group work
11.30-12.00	Robert Gray <i>Lecture 2</i>	Robert Gray <i>Problems 2</i>	Mike Prest <i>Problems 1</i>	LMS presentation	Diane Maclagan <i>Problems 2</i>
12.00-12.30					
12:30 – 13:30			Lunch		
13.30-14.00	Group work	Mike Prest <i>Lecture 1</i>	Mike Prest <i>Lecture 3</i>	Group work	Group work
14.00-14.30	Colloquium <i>Rachel Camina</i>	Group work	Group work	Colloquium <i>Sibylle Schroll</i>	Diane Maclagan <i>Lecture 3</i>
14.30-15.00					
15.00-15.30	Tea/Coffee	Tea/Coffee	Tea/Coffee	Tea/Coffee	Tea/Coffee
15.30-16.00	Robert Gray <i>Problems 1</i>	Colloquium+ <i>Bill Lionheart</i>	Colloquium <i>Sarah Whitehouse</i>	Diane Maclagan <i>Problems 1</i>	Colloquium <i>Antony Overstall</i>
16.00-16.30					
16.30-17.00					

**Week 1 Lectures**

Robert Gray: *The word problem in combinatorial group and semigroup theory*

Mike Prest: *The compactness theorem*

Diane Maclagan: *Tropical Geometry*

**Week 1 Colloquia**

Rachel Camina *The Nottingham group - a fascinating pro-p group.*

Bill Lionheart *What can you see inside? Radon transform and tomography*

Sarah Whitehouse *Aperiodic tilings*

Sibylle Schroll *Algebra, geometry and dessins d'enfants*

Antony Overstall *Experiments, statistics and uncertainty quantification*

**After-dinner on Weds 19<sup>th</sup>:** Tony Gardiner *A life in Mathematics*

	Monday 24 <sup>th</sup>	Tuesday 25 <sup>th</sup>	Wednesday 26 <sup>th</sup>	Thursday 27 <sup>th</sup>	Friday 28 <sup>st</sup>
9.30-10.00	Chris Hughes <i>Lecture 1</i>	Chris Hughes <i>Lecture 3</i>	Jonathan Fraser <i>Problems 1</i>	Helen Byrne <i>Lecture 1</i>	Helen Byrne <i>Problems 2</i>
10.00-10.30					
10.30-11.00	Coffee/Tea	Coffee/Tea	Coffee/Tea	Coffee/Tea	Coffee/Tea
11.00-11.30	Chris Hughes <i>Lecture 2</i>	Group work	Jonathan Fraser <i>Lecture 3</i>	Group work	Helen Byrne <i>Lecture 3</i>
11.30-12.00		Chris Hughes <i>Problems 2</i>		Helen Byrne <i>Problems 1</i>	
12.00-12.30	Group work		Group work		Closing session
12:30 – 13:30			Lunch		
13.30-14.00	Group work	Jonathan Fraser <i>Lecture 1</i>	Group work	Group work	-- Home --
14.00-14.30	Chris Hughes <i>Problems 1</i>		Jonathan Fraser <i>Problems 2</i>	Helen Byrne <i>Lecture 2</i>	
14.30-15.00		Group work			
15.00-15.30	Tea/Coffee	Tea/Coffee	Tea/Coffee	Tea/Coffee	
15.30-16.00	Colloquium <i>David Abrahams</i>	Jonathan Fraser <i>Lecture 2</i>	Colloquium <i>Alexey Bolsinov</i>	Colloquium <i>Nick Trefethen</i>	
16.00-16.30					
16.30-17.00					

**Week 2 Lectures**

Chris Hughes: *Random matrix theory and the distribution of the Riemann zeta function*  
Jonathan Fraser: *Fractal Geometry and Dimension Theory*  
Helen Byrne: *Mathematical Oncology: Curing Cancer with Calculus*

**Week 2 Colloquia**

David Abrahams: *Size Matters: Asymptotics in Applied Mathematics*  
Alexey Bolsinov: *Pencils of skew-symmetric matrices and Jordan-Kronecker invariants*  
Nick Trefethen: *From polynomial interpolation to Chebfun*

**After-dinner on Thurs 27<sup>th</sup>:** Nick Trefethen *Four bugs on a rectangle*