

# Scaling in Probability and PDE

## List of talks

Tuesday, March 26, 2002

### Morning

Time 09:00-10:50	Name: <b>Peter Jones, Yale University</b> Title: <b>An Inroduction to Beta Numbers and Geometric Measure Theory</b>
10:50-11:15	<b>Break</b>
Time 11:15-12:00	Name: <b>Bernd Kirchheim, Max-Planck-Institut Leipzig</b> Title: <b>Lipschitz Graphs &amp; Beta Numbers</b>

### Afternoon

Time 14:00-15:50	Name: <b>Felix Otto, University of Bonn</b> Title: <b>Micromagnetism: Length Scales and Scaling Laws</b> <b>Micromagnetism: The Néel Wall I</b>
15:50-16:15	<b>Break</b>
Time 16:15-16:45	Name: <b>Miroslav Chlebík, Comenius University Bratislava</b> Title: <b>Blow-up Rates via Scaling for some Parabolic Problems</b>

## Wednesday, March 27, 2002

### Morning

Time 09:00-10:50	Name: <b>Peter Jones, Yale University</b> Title: <b>Beta Numbers in Complex Analysis</b> <b>Beta Numbers, Menger Curvature and Cauchy Integrals</b>
10:50-11:15	<b>Break</b>
Time 11:15-12:15	Name: <b>James B. Cooper, Universität Linz</b> Title: <b>On Three Problems on Foliations Posed by Paul Samuelson</b>

### Evening

Time 19:15-20:15	Name: <b>Felix Otto, University of Bonn</b> Title: <b>Micromagnetism: The Néel Wall II</b>
20:15-20:30	<b>Break</b>
Time 20:30-21:00	Name: <b>Martin Kolář, Masaryk University Brno</b> Title: <b>Local Geometry of Levi Degenerate Hupersurfaces in <math>n</math></b>

# Thursday, March 28, 2002

## Morning

Time 09:00-10:00	Name: <b>Peter Jones, Yale University</b> Title: <b>Beta Numbers and Geometry in Large Dimensions I, II</b>
10:00-10:15	<b>Break</b>
Time 10:15-11:15	Name: <b>Ilia Binder, Harvard University</b> Title: <b>Multifractal Analysis of Harmonic Measure: an Introduction</b>
Time 11:20-12:15	Name: <b>Konrad Kiener, Universität Linz</b> Title: <b>Convolution Inequalities and Majorization</b>

## Evening

Time 19:15-20:15	Name: <b>Ilia Binder, Harvard University</b> Title: <b>Multifractal Analysis and Thermodynamic Formalism for Julia Sets</b>
20:15-20:30	<b>Break</b>
Time 20:30-21:00	Name: <b>Kiran Kolwankar, Ecole Polytechnique Plaiseau</b> Title: <b>Characterization of the Fine Local Regularity of Functions</b>
Time 21:05-21:35	Name: <b>Wojciech Młotkowski, University of Wroclaw</b> Title: <b>Lambda-free Probability</b>

**Friday, March 29, 2002**

**Morning**

Time 09:00-10:50	Name: <b>Ilia Binder, Harvard University</b> Title: <b>Multifractal Spectra: Sharp Bounds for Simply Connected Domains</b> <b>Multifractal Analysis: General Planar Domains</b>
10:50-11:15	<b>Break</b>
Time 11:15-12:00	Name: <b>Alexei Poltoratski, Texas A&amp;M University</b> Title: <b>Weighted Level Sets of Holomorphic Functions and Related Problems</b>