## Weekly Seminar & Events Bulletin

**April 5th, 2020 - April 11th, 2020**

### Monday, April 06, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00pm-3:50pm</td>
<td><strong>Student Dynamics</strong> -- Yuping Ruan (UM)</td>
<td>TBA -- 3866 East Hall</td>
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</tbody>
</table>

### Tuesday, April 07, 2020

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>3:00pm-4:00pm</td>
<td><strong>Student Geometry/Topology</strong> -- Karen Butt (TBA)</td>
<td>1866 East Hall</td>
<td></td>
</tr>
<tr>
<td>3:00pm-4:00pm</td>
<td><strong>Student Algebraic Geometry</strong> -- Yueqiao Wu (UM)</td>
<td>TBA -- B745 East Hall</td>
<td></td>
</tr>
<tr>
<td>4:00pm-5:00pm</td>
<td><strong>Colloquium Series</strong> -- John Voight (Dartmouth College)</td>
<td>Cancelled -- 1360 East Hall</td>
<td></td>
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</table>

### Wednesday, April 08, 2020

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>3:00pm-4:00pm</td>
<td><strong>Student Arithmetic</strong> -- Yifeng Huang (University of Michigan)</td>
<td>Canceled -- 3088 East Hall</td>
<td></td>
</tr>
<tr>
<td>4:00pm-5:20pm</td>
<td><strong>Algebraic Geometry</strong> -- Mark De Cataldo (Stony Brook University)</td>
<td>CANCELED -- 4096 East Hall</td>
<td></td>
</tr>
<tr>
<td>4:00pm-5:00pm</td>
<td><strong>Financial/Actuarial Mathematics</strong> -- Alexandros Saplaouras (UM)</td>
<td>Stability of (F)BSDEs under Mâ€™s framework -- <a href="https://bluejeans.com/285526482">https://bluejeans.com/285526482</a>  East Hall</td>
<td></td>
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### Thursday, April 09, 2020

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<tbody>
<tr>
<td>3:00pm-4:00pm</td>
<td><strong>Topology</strong> -- Chandrika Sadanand (University of Illinois-Urbana Champaign)</td>
<td>TBA -- 3866 East Hall</td>
<td></td>
</tr>
<tr>
<td>3:00pm-12:00am</td>
<td><strong>Commutative Algebra</strong> -- Austyn Simpson (University of Illinois at Chicago)</td>
<td>TBA -- 1866 East Hall</td>
<td></td>
</tr>
<tr>
<td>4:00pm-5:00pm</td>
<td><strong>Differential Equations</strong> -- Fabio Pusateri (University of Toronto)</td>
<td>TBA -- 4088 East Hall</td>
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### Friday, April 10, 2020

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<tr>
<td>3:00pm-4:00pm</td>
<td><strong>Applied Interdisciplinary Mathematics (AIM)</strong> -- (Cancelled)</td>
<td>1084 East Hall</td>
<td></td>
</tr>
<tr>
<td>4:00pm-5:20pm</td>
<td><strong>Preprint Algebraic Geometry</strong> -- Sanal Shivaprasad (UM)</td>
<td>Non-archimedean integrals as limits of complex integrals, following Ducros, Hrushovski, and Loeser -- 4096 East Hall</td>
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Abstracts for the week of April 5th, 2020 - April 11th, 2020

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Yuping Ruan (UM)
TBA

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Karen Butt
TBA

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John Voight (Dartmouth College)
Cancelled

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3088 East Hall
Yifeng Huang (University of Michigan)
Canceled
Algebraic Geometry
Wednesday, April 08, 2020, 4:00pm-5:20pm
4096 East Hall
Mark De Cataldo (Stony Brook University)
CANCELED

Financial/Actuarial Mathematics
Wednesday, April 08, 2020, 4:00pm-5:00pm
https://bluejeans.com/285526482 East Hall
Alexandros Saplaouras (UM)
Stability of (F)BSDEs under Mémin's framework

Backward Stochastic Differential Equations, in short BSDE, have become a particularly active field of research, due to their numerous potential applications to mathematical finance, partial differential equations, game theory, economics, and more generally in stochastic calculus and analysis. In this talk we will discuss initially the stability property of special semimartingales, where we refine the result obtained by Mémin in "Stability of Doob-Meyer Decomposition under Extended Convergence", 2003. Then, we focus on the special case where the sequence of semimartingales consists of solutions of Backward Stochastic Differential Equations with Jumps, in short BSDEJ, and we provide a suitable framework for obtaining the stability property of BSDEJ. Afterwards, we will proceed on some ongoing research and present some ideas on the stability property of (decoupled) Forward-Backward Stochastic Differential Equations with Jumps (FBSDEJ).

Connect at https://bluejeans.com/285526482

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Sanal Shivaprasad (UM)
Non-archimedean integrals as limits of complex integrals, following Ducros, Hrushovski, and Loeser