

Below are more specific research areas along with the names of faculty members most closely involved, for the 2015-2016 academic year.

<p><b>Algebraic and Geometric Topology</b></p> <ul style="list-style-type: none"> <li>• Laura Anderson</li> <li>• Robert Bieri</li> <li>• F. Thomas Farrell</li> <li>• Ross Geoghegan</li> <li>• Andrey Gogolev</li> <li>• Christoforos Neofytidis</li> <li>• Tam Nguyen-Phan</li> <li>• Pedro Ontaneda</li> <li>• Matthew Zaremsky</li> </ul>	<p><b>Graph Theory</b></p> <ul style="list-style-type: none"> <li>• William Kazmierczak</li> <li>• Vaidyanathan Sivaraman</li> <li>• Thomas Zaslavsky</li> </ul>
<p><b>Algebra related to logic and computer science</b></p> <ul style="list-style-type: none"> <li>• Fernando Guzman</li> </ul>	<p><b>Group Theory</b></p> <ul style="list-style-type: none"> <li>• Robert Bieri</li> <li>• Joseph Brennan</li> <li>• Benjamin Brewster</li> <li>• Matthew Brin</li> <li>• Ross Geoghegan</li> <li>• Fernando Guzman</li> <li>• Luise-Charlotte Kappe</li> <li>• Marcin Mazur</li> <li>• Matthew Zaremsky</li> </ul>
<p><b>Arithmetic Algebraic Geometry</b></p> <ul style="list-style-type: none"> <li>• Alexander Borisov</li> <li>• Daniel Vallieres</li> <li>• Adrian Vasiu</li> </ul>	<p><b>Nonparametric Statistics</b></p> <ul style="list-style-type: none"> <li>• Anton Schick</li> <li>• Zuofeng Shang</li> </ul>
<p><b>Bayesian Statistics</b></p> <ul style="list-style-type: none"> <li>• Zuofeng Shang</li> <li>• Ganggang Xu</li> </ul>	<p><b>Number Theory</b></p> <ul style="list-style-type: none"> <li>• Alexander Borisov</li> <li>• Luise-Charlotte Kappe</li> <li>• Marcin Mazur</li> <li>• Daniel Vallieres</li> <li>• Adrian Vasiu</li> </ul>
<p><b>Combinatorial Geometry</b></p> <ul style="list-style-type: none"> <li>• Laura Anderson</li> <li>• Thomas Zaslavsky</li> </ul>	<p><b>Partial Differential Equations</b></p>

**Combinatorics**

- Laura Anderson
- William Kazmierczak
- Vaidyanathan Sivaraman
- Thomas Zaslavsky

- Magdalena Czubak
- Paul Loya
- Peng Shao
- Xiangjin Xu

**Geometric Analysis**

- Magdalena Czubak
- Andrey Gogolev
- Ye Li
- Paul Loya
- Tam-Phan Nguyen
- Pedro Ontaneda
- Peng Shao
- Xiangjin Xu

**Probability and Statistics**

- Withanage De Mel
- Vladislav Kargin
- Aleksey Polunchenko
- Xingye Qiao
- Anton Schick
- Grigory Sokolov
- Ganggang Xu
- Qiqing Yu

**Representation Theory**

- Alex Feingold
- Dikran Karagueuzian

**Geometric Group Theory**

- Robert Bieri
- Matthew Brin
- Ross Geoghegan
- Fernando Guzman
- Matthew Zaremsky

**Statistical Learning and Data Mining**

- Xingye Qiao
- Ganggang Xu

**Geometry of Manifolds**

- F. Thomas Farrell
- Andrey Gogolev
- Christoforos Neofytidis
- Tam Nguyen-Phan
- Pedro Ontaneda

From:

<http://www2.math.binghamton.edu/> - **Department of Mathematics and Statistics,  
Binghamton University**

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