

# Michael Geline

Curriculum Vitae

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Department of Mathematical Sciences  
Northern Illinois University  
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DeKalb, Illinois 60115  
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## Professional

- 2014-present **Northern Illinois University**, DeKalb, IL  
Associate Professor
- 2010-2014 **Northern Illinois University**, DeKalb, IL  
Assistant Professor, tenure track
- 2008-2010 **The Ohio State University**, Columbus, OH  
Ross Assistant Professor

## Grant

- 2012-2014 **NSA Grant:** Integral representations of  $p$ -groups, Brauer's height zero conjecture, and rationality.

## Education

- 2002–2008 **University of Chicago**, Chicago, IL  
Ph.D. in Mathematics, June 2008.  
Advisor: Jon L. Alperin.
- 2001–2002 **University of Cambridge**, Cambridge, England  
Certificate of Advanced Study in Mathematics, June 2002.
- 1998–2001 **University of Illinois**, Urbana, Illinois  
BS in Nuclear Engineering, June 2001.  
Awards: Brahana Prize in Mathematics.

## Teaching

- 2008-Present **Northern Illinois University**  
**The Ohio State University**  
**University of Chicago**  
Representations of Finite Groups  
Discrete Mathematics  
Linear Algebra  
Graduate Algebra  
Number Theory  
Calculus

## Publications

- [1] On Tate duality and a projective scalar property for symmetric algebras (with Florian Eisele, Radha Kessar, and Markus Linckelmann). Submitted.
- [2] Knörr lattices and the Brauer Feit bound on irreducible character heights. *Algebr. Represent. Theory* 18 (2015), no. 4, 1047-1059.

- [3] Auslander-Reiten components for some Knörr lattices (with Nadia Mazza). *Bull. Lond. Math. Soc.* 45 (2013), no. 4, 800–810.
- [4] Knörr lattices, their characters, and some subsets of  $\mathbb{F}_p^d$  (with Geoffrey Robinson). *J. Algebra* 363 (2012), 83–93.
- [5] Some cyclic, rational virtually irreducible lattices. *J. Algebra* 332 (2011), 285–292.
- [6] Local Schur indices, blocks, and character values (with David Gluck). *Bull. Lond. Math. Soc.* 42 (2010), no. 4, 707–712.
- [7] On the rationality of Knörr’s virtually irreducible lattices. *J. Algebra* 322 (2009), no. 4, 1406–1413.
- [8] Schur indices of characters in blocks of full defect. *J. Group Theory* 12 (2009), no. 1, 75–81.
- [9] Schur indices and commutators in supersolvable groups. *J. Group Theory* 11 (2008), no. 5, 691–695.
- [10] Schur indices and abelian defect groups. *J. Algebra* 319 (2008), no. 10, 4140–4146.

### **Presentations**

- [1] AMS special session, Minneapolis, Minnesota, October 2016
- [2] AMS special session, Eau Claire, Wisconsin, September 2014
- [3] University of Chicago Group Theory Seminar, April 2014
- [4] Banff International Research Station, Banff, Alberta, March 2014
- [5] AMS special session, St Louis, Missouri October 2013
- [6] AMS special session, Akron, Ohio October 2012.
- [7] CMS special session, Regina, Saskatchewan, June 2012.
- [8] National University of Singapore, Algebra Seminar, July 2011.
- [9] Lancaster University, Pure Math Seminar, July 2011.
- [10] University of Michigan Group Theory, Number Theory, and Representation Theory Seminar, March 2011.
- [11] AMS special session, Notre Dame, November 2010.
- [12] CUNY Representation Theory Seminar, April 2010.
- [13] Kent State University, January 2010.
- [14] Isle of Skye, Conference on Algebraic Topology, Group Theory and Representation Theory, June 2009.
- [15] Ohio State, Group Theory Seminar, November 2008.
- [16] Wayne State University Algebra Seminar, October 2008.
- [17] University of Chicago Group Theory Seminar, May 2008.
- [18] GeorgeFest, birthday conference honoring George Glauberman, March 2008.
- [19] University of Illinois at Chicago Algebra Seminar, September 2007.
- [20] University of Chicago Group Theory Seminar, March 2007.

### **Referee**

#### **Work**

- *Communications in Algebra*
- *Journal of Algebra*
- *Journal of the London Mathematical Society*