

**Hunter R. Johnson**  
**Mathematics & Computer Science Department**  
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**Education:**

- May 2008 University of Maryland, College Park, MD  
PhD. in Mathematics
- May 2004 University of Maryland, College Park, MD  
MA in Mathematics
- May 2000 Beloit College, Beloit, WI  
BA in Mathematics, Computer Science, and Philosophy

**Research Interests:**

- Theoretical Computer Science
- Mathematical Logic
  - Stability Theory
  - Dependent (NIP) Theories
- Combinatorial Geometry
- Machine Learning

**Journal Publications**

- Some new maximum VC classes. *Information Processing Letters*, 114.6 (2014): 294-298.
- Vapnik-Chervonenkis density on indiscernible sequences, stability, and the maximum property. *Notre Dame Journal of Formal Logic*, accepted 8/8/13, to appear.
- Dp-rank and forbidden configurations. *Notre Dame Journal of Formal Logic* 54.1 (2013): 1-14.
- Compression schemes, stable definable families, and o-minimal structures, with M.C. Laskowski. *Discrete and computational geometry* 43.4 (2010): 914-926.

**Papers Reviewed**

- 2009, Information Processing Letters
- 2013, Educational Studies in Mathematics

**Review Boards**

- Journal of Interactive Technology and Pedagogy (JITP)

## Multimedia Publications

- Contributor and Editor for the *CUNY Math Blog*:  
<http://cunymathblog.commons.gc.cuny.edu/author/hujohnson/>
- Mathematical screencasts:  
<http://www.youtube.com/user/hunterrjohnson>

## Conference Talks

- (invited) International Conference of Mathematicians (ICM), Satellite Workshop on Classification Theory.) 8/6-8/9/2014 Daejeon, South Korea  
*Some new maximum VC classes.*
- (invited) 15th Latin American Symposium on Mathematical Logic (SLALM), (workshop on dependent theories.) 6/12/2012 Villa de Leyva, Colombia  
*Dp-rank and forbidden configurations.*

Association for Symbolic Logic, North American Meetings, contributed talks

- 5/9/13 U Waterloo, *Vapnik-Chervonenkis density on indiscernible sequences, stability, and the maximum property*
- 3/24/11 UC Berkeley, *Coherence and uniformly definable types over finite sets.*
- 5/20/09 U Notre Dame, *Compression schemes, o-minimal structures, and uniform definability of types.*
- 3/27/08 UC Irvine, *Linear growth in VC dimension.*

## Seminar Talks

- 11/2012 CUNY Graduate Center, Model Theory Seminar
- 4/18/2011 Carnegie Mellon University, Model Theory Seminar (invited)
- 2/8/2011 Connecticut College (invited)
- 9/14/2010 University of Maryland, Logic Seminar (invited)
- 1/10/2010 CUNY Graduate Center, Model Theory Workshop
- 5/8/2009 CUNY Graduate Center, Model Theory Workshop
- 5/12/2009 Rockefeller University, Laboratory of Living Matter (invited)
- 3/12/2007 James Madison University (invited)
- University of Maryland, various dates

**Research Awards:**

- 2013 PSC-CUNY grant, Traditional A
- 2011 PSC-CUNY grant, Traditional B
- 2010 PSC-CUNY grant
- 2009 PSC-CUNY grant
- 2008 University of Maryland, Research Assistantship
- 2006/2007 University of Maryland, Math Department, Seymour Goldberg Award  
An essay contest.
- 2006/2007 University of Maryland, Ann G Wylie Dissertation Fellowship  
Support for one semester.
- 2006/2007 University of Maryland, Math Department Dissertation Fellowship

**Teaching Experience:**

- August 2008 - Present, John Jay College, CUNY, Assistant Professor of Mathematics & Computer Science, Graduate faculty for Masters in Digital Forensics and Cybersecurity
- August 2003 - August 2007, University of Maryland, College Park, MD  
Teaching Assistant
- January 1997 - May 1997, Beloit College, Beloit, WI  
Undergraduate Teaching Assistant

**Teaching Awards:**

- 2011,2013 John Jay, invited by multiple students to attend Dean's List reception
- 2006/2007 University of Maryland Math Department TA award 3rd place
- 2006/2007 University of Maryland, Center for Teaching Excellence, Distinguished TA award
- 2005/2006 University of Maryland Math Department TA award (Finalist)

**Work Experience:**

- 2000/2001 ABN-AMRO (Contractor)
  - Software Developer for worldwide financial institution. Created and modified components of a back-office payment interface, account manager, and other programs.
  - Worked with financial specialists to make automatically generated financial statements presentable and useful.

**Programming Skills:**

- Fluent in programming languages including C, Python (NumPy, SciPy), Octave/Matlab, SAGE, C#, C++, Java, PERL, SQL, Unix shell.

**Societies:**

- 2012-present Association for Computing Machinery (ACM)
- 2003-present Association of Symbolic Logic (ASL)
- 2003-present American Mathematical Society (AMS)