

## Robert Z. Krzyzanowski

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| CONTACT INFORMATION        | Department of Math, Computer Science, and Statistics<br>University of Illinois at Chicago<br>322 Science and Engineering Offices<br>851 S. Morgan Street<br>Chicago, IL 60607-7045 US  | <i>Mobile:</i> +1-630-636-8321<br><i>E-mail:</i> robertk@math.uic.edu<br><i>WWW:</i> math.uic.edu/~robertk |
| BIRTH DATE AND PLACE       | January 17, 1991<br>Chicago, IL, USA   |  |
| CITIZENSHIP                | United States, Poland, The Netherlands   |  |
| RESEARCH INTERESTS         | p-adic L-functions, automorphic forms and representations, Galois representations, Shimura varieties, Langlands program, arithmetic geometry   |  |
| EDUCATION                  | <b>Ph.D.</b> , 2009-2013 (expected), <b>Pure mathematics</b><br>University of Illinois at Chicago, Chicago IL<br><i>Advisor:</i> Ramin Takloo-Bighash<br><br><b>M.S.</b> , 2007-2009, <b>Pure mathematics</b> ,<br>University of Illinois at Chicago, Chicago IL<br><br><b>B.S.</b> , 2003-2007, Majors in Math, Physics, Computer science (with Honors)<br>North Central College, Naperville, IL<br><i>Senior Thesis:</i> Spatially Correlated Disturbances in a Locally and Globally Dispersing Population Model   |  |
| SELECTED HONORS AND AWARDS | Graduate Teaching Award, University of Illinois at Chicago (Fall 2009)<br>College Scholar, North Central College (2007)<br>Most Outstanding Student in Mathematics Dept, North Central College (2007)<br>Most Outstanding Student in Computer Science Dept, North Central College (2007)<br>Most Outstanding Student in Science Division, North Central College (2007)<br>Lincoln Scholar, State of Illinois (2006)<br>Dean's List, North Central College (2003-2006)<br>Lederman Scholar, North Central College (2002)<br>Phi Beta Kappa<br>American Mathematical Society |  |
| TEACHING EXPERIENCE        | <b>University of Illinois at Chicago</b> , Teaching Assistant<br>2011 Spring      Math 160 - <i>Finite Math for Business</i><br>2010 Fall        Math 181 - <i>Calculus II</i><br>2010 Spring     Math 180 - <i>Calculus I</i><br>2009 Fall        Math 118 - <i>Quantitative Methods</i><br>2009 Summer    Math 181 - <i>Calculus II</i><br>2009 Spring     Math 181 - <i>Calculus II</i><br>2008 Fall        Math 075 - <i>Intermediate Algebra</i><br>2008 Spring     Math 215 - <i>Introduction to Advanced Mathematics</i>  |  |

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| TEACHING<br>EXPERIENCE          | <b>North Central College</b> , Discussion Coordinator  |  |
|                                 | Fall 2006  | Math 254 - <i>Calculus IV</i>  |
|                                 | Spring 2006  | Math 153 - <i>Calculus III</i>   |
|                                 | Winter 2006  | Math 152 - <i>Calculus II</i>  |
| INVITED TALKS,<br>PRESENTATIONS | 2011 February  | <i>Unification of Kummer-Artin-Schreier and Witt theory</i><br>Graduate Number Theory Seminar, University of Illinois at Chicago   |
|                                 | 2011 February -<br>May   | <i>Assorted talks</i> (8 lectures, organizer and speaker)<br>Etale Cohomology Seminar, University of Illinois at Chicago   |
|                                 | 2010 November  | <i>Number theory from the p-adic viewpoint</i><br>Invited Colloquium Talk, North Central College   |
|                                 | 2010 September   | <i>Linearization of Affine Algebraic Groups</i><br>Graduate Number Theory Seminar, Univ of Illinois at Chicago   |
|                                 | 2010 March   | <i>The Hilbert Scheme II</i><br>Graduate Algebraic Geometry Seminar, Univ of Illinois at Chicago   |
|                                 | 2009 April   | <i>Grothendieck-Riemann-Roch for Non-Singular Varieties II</i><br>Graduate Algebraic Geometry Seminar, Univ of Illinois at Chicago   |
|                                 | 2009 April   | <i>Grothendieck-Riemann-Roch for Non-Singular Varieties I</i><br>Graduate Algebraic Geometry Seminar, Univ of Illinois at Chicago  |
|                                 | 2009 March   | <i>A Lower Bound for the Class Number of Quadratic Forms over the<br/>Ring of Integers of Totally Real Quadratic Fields of Odd Dimension</i><br>Arizona Winter School Research Presentation, University of Arizona |
|                                 | 2009 March   | <i>Vector bundles and Chern classes II</i><br>Graduate Algebraic Geometry Seminar, Univ of Illinois at Chicago   |
|                                 | 2009 March   | <i>Vector bundles and Chern classes I</i><br>Graduate Algebraic Geometry Seminar, Univ of Illinois at Chicago  |
|                                 | 2009 February  | <i>Compactification of the modular curve <math>Y(\Gamma)</math></i><br>Graduate Number Theory Seminar, University of Illinois at Chicago   |
|                                 | 2008 December  | <i>Euler's Idoneal Numbers and Weinberger's Bound</i><br>Number Theory II Presentation, University of Illinois at Chicago  |
|                                 | 2008 October   | <i>Elliptic functions and Complex Multiplication</i><br>Graduate Number Theory Seminar, University of Illinois at Chicago  |
| 2008 September                  | <i>Elliptic curves and the Weierstrass p-function</i><br>Graduate Number Theory Seminar, University of Illinois at Chicago |  |
| COMPUTER SKILLS                 | C, C++, Fortran, R, PHP, Javascript, SQL, LISP, Haskell, Java, Python, Ruby, Mathematica, Maple, LaTeX, Linux, Prolog      |  |
| LANGUAGES                       | English (Fluent), Dutch (Fluent), Polish (Fluent), French (Reading)  |  |