

# Nicholas R. Baeth

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**EMPLOYMENT**      Assistant Professor, University of Central Missouri (since 2005)  
Graduate Teaching Assistant, University of Nebraska–Lincoln (2000-2005)

**EDUCATION**      **Ph.D.** Mathematics, May 2005, University of Nebraska–Lincoln  
                         -Research Interests: commutative algebra, decompositions of modules  
                         -Ph.D. Advisor - Roger Wiegand  
**M.S.** Mathematics, December 2001, University of Nebraska–Lincoln  
**B.S.** Mathematics, May 2000, Pacific Lutheran University  
**B.A.** Computer Science, May 2000, Pacific Lutheran University  
                         **Minor** Statistics, May 2000, Pacific Lutheran University

**AWARDS AND FELLOWSHIPS**

- **UCM College of Arts and Sciences Research & Creative Assistance Award, 2007–2008 academic year**
- 2005-2006 MAA Leitzel Project NExT Fellow
- NSF Traineeship at UNL: Mentoring Through Critical Transition Points, 2004–2005
- GAANN Fellowship (UNL funded), 2003–2004
- UNL Emeritus Faculty Fellowship, 2001 & 2002
- Scholastic Graduate Research Assistantship (UNL), Summer 2001

**PROFESSIONAL MEMBERSHIPS**

- American Mathematical Society
- Mathematical Association of America

**REFEREED PUBLICATIONS**

1. **A Krull-Schmidt theorem for one-dimensional Cohen-Macaulay local rings of finite Cohen-Macaulay type**, *J. Pure Appl. Algebra* **208** (2007), no. 3, 923–940
2. How often does a monopoly player go to ‘JAIL’?, *Internat. J. Math. Ed. Sci. Tech.*, 32 (2001), 774–778 (with D. W. Wu)

**PROFESSIONAL TALKS**

- **“Factorization Theory and Direct Sum Decomposition”, Missouri MAA Sectional Meeting, Point Lookout, MO, March 2007 (contributed)**
- “The Failure of Krull-Schmidt for two-dimensional local domains”, Special Session on the Representation Theory of Noetherian Rings, AMS Regional Meeting, Lincoln, NE, October 2005 (invited)
- “Rings of bounded Cohen-Macaulay type”, Special Session on Commutative Algebra, AMS Regional Meeting, Bowling Green, Kentucky, March 2005 (invited)
- “One-dimensional equicharacteristic local rings of finite Cohen-Macaulay type”, Special Session on Commutative Algebra, National Joint AMS/MAA Meeting, Atlanta, Georgia, January 2005 (invited)
- “A Krull-Schmidt theorem for one-dimensional rings of finite representation type”, International Symposium on Commutative Rings and Monoids, Graz, Austria, October 2004 (invited)
- “Non-unique decomposition of modules over local rings”, MAA Nebraska Sectional Meeting, April 2004 (contributed)

**MEETINGS AND  
WORKSHOPS  
ATTENDED**

- **Missouri MAA Sectional Meeting, Point Lookout, MO, March 2007**
- **UCM “Streaming Video and Copyright Issues” workshop, January 2007**
- **UCM “Syllabus Issues” panel discussion, November 2006**
- **Mathfest — MAA National Summer Meeting, Knoxville, TN, August 2006**
- Missouri MAA Sectional Meeting, Columbia, MO, March 2006
- MAA-AMS Joint Meetings, San Antonio, TX, January 2006
- CMSU College of Arts and Sciences Workshop on Tenure and Promotion, April, 2006
- CMSU “Preparing for Promotion and Tenure” workshop, February 2006
- CMSU “Learn to Use your Multimedia Classroom Equipment” workshop, August, 2005
- MAA Mathfest, Albuquerque, NM, August 2005

**UCM TALKS**

- “Puzzles and Permutations”, Mathematics Awareness Week Awards Banquet, March 2006
- “An Introduction to Zero Sequences in Abelian Groups”, Mathematics and Computer Science Department Seminar, November, 2005
- “Permutation Puzzle Prelection”, KME chapter meeting, October 2005

**DEPARTMENTAL  
SERVICES**

- **B.S. Program Committee**
- Modern Algebra Committee
- Discrete Mathematics Committee
- Scholarship Committee
- Faculty Advisor for MAA student chapter
- Faculty Advisor for UCM Math Competition teams:
  - Missouri Collegiate Mathematics Competition, Spring 2006 & **2007**
  - MAA Putnam Exam, Fall 2005 & **2006**
- Undergraduate and Graduate Academic Advisor

**UNIVERSITY  
SERVICES**

- **Faculty Senate General Education Committee, since May 2006**
- **College of Arts and Sciences Awards Committee, since August 2006**
- **Panelist at McNair Scholars Workshop “Surviving Graduate School”, Summer 2006 & Spring 2007**
- Math Relays — prepared, proctored, graded the 12th grade algebra exam, 2006 & **2007**
- Alternative Assessment Committee, Spring 2005

**PROFESSIONAL  
SERVICES**

- **Co-organized a Project NExT panel session about creating and sustaining a math club, Mathfest, Knoxville, TN, August 2006**
- Referee for Mathematics Magazine
- Referee for the Missouri Journal of Mathematical Sciences
- Referee for the College Mathematics Journal problem section
- Judge for Undergraduate Research Poster Session, MAA-AMS Joint Meetings, January 2006

**TEACHING  
EXPERIENCE**

- **Development of an Honors section of College Algebra (with Dale Bachman)**
- College Algebra MATH1111
- College Algebra MATH1111 (ITV section for extended campus)
- Contemporary Mathematics MATH1620
- Calculus I MATH1151
- Calculus II (at University of Nebraska — Lincoln)
- Calculus III MATH2153
- Discrete Mathematics MATH2410
- Linear Algebra MATH 3710
- Algebraic Structures MATH3720
- **Algebraic Concepts for Teachers MATH4871**
- **Special Problems in Mathematics MATH4910 — Graduate Student Independent Study**
- **Readings in Mathematics MATH6912 — Graduate Student Independent Study**
- **Modern Algebra MATH4711**