

## CURRICULUM VITAE

### Di Wu

Department of Mathematics  
Western Kentucky University  
1906 College Heights Blvd #11078  
Bowling Green, Kentucky 42101-1078

Phone: (270)745-7048  
Fax: (270)745-3699  
Email: di.wu@wku.edu  
<http://people.wku.edu/di.wu/>

### EDUCATION

- Iowa State University, Ames, Iowa  
Co-major Ph.D., Bioinformatics and Computational Biology, 2006  
Applied Mathematics, 2006  
Co-major advisors, Dr. Robert Jernigan (Biochemistry & Biophysics)  
Dr. Zhijun Wu (Mathematics)  
Dissertation, *Distance-based Protein Structure Modeling*
- Fudan University, Shanghai, China  
B.S., Life Sciences, 2000

### RESEARCH INTERESTS

- Bioinformatics and Medical Informatics
- Computational Structural Biology
- Protein-protein interaction and Rational Drug Design
- System Biology
- Operations Research, Constrained and Unconstrained Optimization
- Actuarial Science and Financial Engineering

### PROFESSIONAL EXPERIENCES

#### *Current*

2012- **Associate Professor (Tenure)**, Department of Mathematics, Bioinformatics and Information Sciences Center, Western Kentucky University

#### *Past*

2006-12 **Assistant Professor (Tenure-track)**, Department of Mathematics, Bioinformatics and Information Sciences Center, Western Kentucky University

2009 July-Aug **Visiting Scholar**, Hefei University of Technology(Hefei, China), Centralsouth University(Changsha, China) and Fudan University(Shanghai China)

2001-06 **Ph.D. Candidate**, Program on Bioinformatics and Computational Biology, Department of Mathematics, Iowa State University

1998-00 **Research Assistant**, State Key Lab of Genetics and Genetic Engineering, Institute of Genetics, Fudan University

### CURRENT RESEARCH PROJECTS

- Solution of distance geometry problems
- Protein geometric database
- Protein structural refinement
- Analysis of protein structural dynamics and molecular dynamic simulations
- Applications of Optimization Methods in System Biology

## FUNDING

- **PI**, “Mathematical and Computational Methods in Protein Structure Determination and Refinement”, NIH KBRIN AREA, Kentucky Biomedical Research Infrastructure Network, May 2009-April 2010, Amount \$16,336, *granted*.
- **PI**, “Computational Methods in Protein Structural Modeling and Refinement”, Junior Faculty Fellowship, Office of Sponsored Program, Western Kentucky University, 2009-2010, Amount \$4,000, *granted*.
- **PI**, “GNM Weighted Superimpositions for Identification of Protein Motions and Domains”, NSF KY EPSCOR REG, Sept 2008-Aug 2009, Amount \$12,500, *granted*.
- **PI**, “A Novel Method for Protein Structural Refinement using Coarse-Grained Models over High Performance Computing”, NIH KBRIN AREA, Kentucky Biomedical Research Infrastructure Network, May 2007-April 2009, Amount \$27,000, *granted*.
- **PI**, “Refinement of NMR Protein Structures with Angle-based Statistical Potentials”, Summer Faculty Fellowship, Office of Sponsored Program, Western Kentucky University, summer 2008, Amount \$6,000, *granted*.
- **Co-PI**, “Meta-Analysis of Clinical Cardiovascular Data towards Evidential Reasoning for Disease Management”, Proposal Incentive Fund (PIF), Office of Sponsored Program, Western Kentucky University, Feb 2007-Feb 2008, Amount \$22,600, *granted*.
- **Co-PI**, “Kentucky EPSCoR Intensive Workshop on High Performance Computing for Informatics and Bioscience”, Kentucky NSF EPSCoR CRIG, March 2007-June 2008, Amount \$10,000, *granted*.

## PROPOSALS (NOT FUNDED)

- **PI** (WKU) and Co-PI, “Mathematical and Statistical Techniques in Protein Structure Determination and Refinement”, National Science Foundation, Mathematical Biology Division, July 2009-June 2012, Amount \$500,000.
- **PI**, “Protein Structure Refinement through Statistical Potentials”, National Institute of Health Area R15 (NIH), July Oct 2008-June 2011, Amount \$200,016.
- **PI**, “Protein Structural Refinement by Statistical Potentials of Side Chain Models”, KBRIN, July 2009-July 2011, Amount \$25,000.
- **Co-PI**, “Bioinformatics and Statistical Computing Gateway”, KBRIN Infrastructure, May 2009-April 2010, Amount \$99,796.

- **PI**, “A Novel Method for Identification of Protein Domains and Motions through Weighted Superimpositions”, Kentucky Science & Engineering Foundation (KSEF), Oct 2007-Oct 2008, Amount \$11,890,
- **PI**, “Protein Structural Alignment with Protein Dynamics”, NSF EPSCoR REG, \$25,000. July 2007-July 2008
- **Co-PI**, “III-CXT: Asclepios: An Agile Information Exploitation Framework for Managing Communicable Diseases”, NSF IIS, \$ 421,001, July 2007-June 2010

## PUBLICATIONS

### *Refereed Papers (Accepted or Published)*

- **Wu, D.**, Smith, S., Mahan, H., Jernigan, R., and Wu, Z., The Study of Protein Dynamics of NMR ensembles through Local DME, *International Journal of Bioinformatics Research and Applications* 2011,7, 2,146 - 161.
- **Wu,D.**, and Wu,Z., Superimposition of Protein Structures with Dynamically Weighted RMSD, *Journal of Molecular Modeling*, 2010, 16:211-222.
- Davis, R.\*, Ernst, C., and **Wu.D.**, Protein Structure Determination via an Efficient Geometric Build-up Algorithm, *BMC Struct Biol.* 2010; 10: S7
- Davis, R.\*, Ernst, C., and **Wu.D.**, An Efficient Geometric Build-up Algorithm for Protein Structure Determination with Sparse Exact Distance Data, the *Proceedings of IEEE International Conference on Bioinformatics and Biomedicine Workshops (BIBM) 2009*, Volume, Issue , 1-4 Nov. 2009 Page(s):173 - 178.
- Xiaoyong Sun, **Wu, D.**, Jernigan, R., and Wu, Zj., PRTAD: A Database for Protein Residue Torsion Angle Distributions, *International Journal of Data Mining and Bioinformatics*, V3:4, Nov2009, 469-482(14)
- Ravindrudu, R., **Wu, D.**, Guaratne, A., Feng Y., Wu, Z., Integrated Software Environment for Protein Structure Refinement, *In the Proceedings of the IEEE International Conference on Bioinformatics and Biomedicine 2008*, Volume , Issue , 2-4 Nov. 2008 Page(s): 25-32
- **Wu, D.**, Yuan, Y., and Wu, Z., Rigid versus unique determination of protein structures with geometric buildup, *Optimization Letters* (2008) 2:319–331
- **Wu, D.**, Yuan, Y., and Wu, Z., The Solution of the Distance Geometry Problem for Protein Modeling via Geometric Buildup, *Biophysical Reviews and Letters* Vol: 3 Issue: 1/2 (April 2008) Page: 43 - 75
- **Wu, D.**, Jernigan, R., and Wu, Z., Refinement of NMR-Determined Protein Structures with Database Derived Mean Force Potentials, *Proteins: Structures, Functions and Bioinformatics*, V68, 1:232-242, 2007.
- **Wu, D.**, Cui, F., Jernigan, R., and Wu, Z., PIDD: Database for Protein Inter-atomic Distance Distributions, *Nucleic Acids Research*, V35:D202-7, 2007.
- **Wu, D.**, and Wu, Z. An Updated Geometric Build-Up Algorithm for Solving the Molecular Distance Geometry Problem with Sparse Distance Data. *Journal of Global Optimization*, V37, 4:661-673, 2007.
- Xiaoyong Sun, **Wu, D.**, Jernigan, R., and Wu, Zj., PRTAD: A Database for Protein Residue Torsion Angle Distributions. *In the Proceedings of the IEEE International Conference on Bioinformatics and Biomedicine 2007*, Volume , Issue , 2-4 Nov. 2007 Page(s):24 – 31

- Narasimhan, V.L., **Wu, D.**, Meta-Analysis of Clinical Cardiovascular Data towards Evidential Reasoning for Cardiovascular Life Cycle Management, *Journal of Issues in Informing Science and Information Technology (IIISIT)*, V4: 651-659, 2007.

\*: student author

### ***Book Chapter***

- Ernst, E., **Wu, D.**, Protein Structure Modeling via Distance Geometry (Invited), *Distance Geometry: With Applications to Molecular Conformation and Sensor Networks* (in preparation), 2012
- Yuan, H., **Wu, D.**, Wu, Z., Assessment of Protein Dynamics (Invited), *Protein Bioinformatics* (in preparation), 2011
- **Wu, D.**, Yuan, Y., and Wu, Z., The Solution of the Distance Geometry Problem for Protein Modeling via Geometric Buildup, *BIOMAT 2007 – Proceedings of International Symposium on Mathematical and Computational Biology*, Rubem Mondaini, ed., 2007.

## **PROFESSIONAL ACTIVITIES**

### ***Journal Referee/Editorial Board (in alphabetical order)***

*Computational Optimization and Applications; Frontiers for System Biology (Editorial Board); International Journal of Computational Biosciences; International Journal of Biomedical Imaging; Neurocomputing; Open Access Bioinformatics; Physics Letters A; Protein Science; Journal of Bioinformatics and Computational Biology, Journal of Global Optimization, Journal of Molecular Modeling; Journal of Proteome Science and Computational Biology (Editorial Board); Proceedings of IEEE International Conference on Bioinformatics and Biomedicine, Proceedings of the 5th Int'l Conference on Bio-Inspired Models of Network, Information and Computing Systems, Theoretical Biology and Medical Modeling;*

### ***Services of Conference/Workshop/Editorship***

- **Program Committee** of IEEE International Conference on Bioinformatics & Biomedicine, sponsored by IEEE, Atlanta, GA, November 12-15, 2011, sponsored by IEEE and NSF
- **Program Committee** of Special Track on Bioinformatics of the 5th Int'l Conference on Bio-Inspired Models of Network, Information and Computing Systems, Boston, December, 2010
- **Guest Editor** of Special issue in Bio-molecular Structure Determination and Refinement for *International Journal of Computational Biosciences*, 2009 (select five research papers for publication)
- **Co-Editor** of Special issue in Computational Structural Bioinformatics for *BMC Structural Biology*, 2009 (select seven research papers for publication)
- **Co-Editor** of *Proceedings of IEEE International Conference on Bioinformatics and Biomedicine Workshops (BIBM) 2009*, 2009
- **Co-Organizer** of 29th Annual Mathematics Symposium at Western Kentucky University, Bowling Green, KY, Nov 5-6, 2009
- **Chair of Computational Structural Biology Workshop**, IEEE International Conference on Bioinformatics & Biomedicine, sponsored by IEEE, Washington D.C., Nov 1-4, 2009, sponsored by IEEE and NSF (managing review process for 33 research papers)
- **Co-Chair**, Intensive International Workshop on High Performance Computing for Informatics and Biosciences, IIWHPC2007, sponsored by NSF KY EPSCoR, Bowling Green, Kentucky, Oct 5-7, 2007.

### *Summer Programs*

- **Supervisor** in Mathematics, Summer Program for Verbally and Mathematically Precocious Youth, Bowling Green, Kentucky, June 28 – July 18, 2009, June 23- July 11, 2008 & June 24- July 14, 2007.

## PROFESSIONAL DEVELOPMENT

### *SAS Certificate in Data Mining for Educators*

SAS Programming Essentials I for Educators  
Applied Analytics Using SAS Enterprise Miner 5  
SAS Programming Essentials II for Educators  
Customer Segmentation with Numeric and Textual Data using SAS  
Issues in Linear Model Building and Data Mining

### *Actuarial Science (Passed Exams of Society of Actuary)*

Exam P Probability 11/2007  
Exam FM Financial Mathematics 05/2008  
Exam MFE Exam M Financial Economics 05/2008  
(Plan to get ASA -Associate of Society of Actuaries; Test ID: 313363)

## PUBLISHED CONFERENCE AND POSTER ABSTRACTS

### *Presentations*

- Colloquium Talk, Department of Mathematics, California State University-Los Angeles, Los Angeles, CA, February 2011
- A Novel Computational Method in Protein Structure Determination and Refinement, 2010 Annual Kentucky MAA, University of Kentucky, Lexington, Kentucky, March 26-27, 2010
- An Efficient Geometric Build-up Algorithm for Molecular Distance Geometry Problem with Sparse Distance Data, the IEEE International Conference on Bioinformatics and Biomedicine 2009, Washington D.C., November 1-4, 2009
- Colloquium Talk, School of Chemical Engineering and School of Mathematics, CentralSouth University, Changsha, China, Aug 2009.
- Colloquium Talk, School of Computer Science and Informatics Sciences, Hefei University of Technology, Hefei, China, July 2009.
- Colloquium Talk, Department of Computer Science, New Mexico State University, June 2009.
- Second Derivatives in the Study of Protein Fluctuations, 2009 Annual Kentucky MAA, Kentucky State University, Frankfort, Kentucky, March 27-28, 2009
- Colloquium Talk, Department of Mathematics, Central Michigan University, Nov 2008
- Integrated Software Environment for Protein Structure Refinement, the IEEE International Conference on Bioinformatics and Biomedicine 2008, Philadelphia, PA, November 3-5, 2008
- Geometric Databases of Protein Structures (**Selected Short Presentation**), UT-ORNL-KBRIN Bioinformatics Summit 2008, Lake Barkley State Resort Park, Cadiz, KY, March 28-30, 2008.

- NMR Protein Structure Refinement through angle-based potentials (**Invited**), Special Session on Mathematical Modeling in Biological Systems, Fall 2007 American Mathematical Society Southeastern Meeting, Murfreesboro, Tennessee, November 3 – 4, 2007.
- NMR Protein Structure Refinement with PMF and Superimposition of NMR ensembles through weighted-RMSD (**Invited**), The Fall 2007 Workshop for Young Researchers in Mathematical Biology (WYRMB), Mathematical Biosciences Institute, Columbus, Ohio, September 11-14, 2007
- Applications of Singular Value Decomposition to Biological Systems, 2007 Annual Kentucky MAA, Northern Kentucky University, Highland Heights, Kentucky, March 30-31, 2007
- Distance Geometry in Protein Structural Modeling, 26th Annual Mathematics Symposium at Western Kentucky University, Bowling Green, Kentucky, November 17-18, 2006
- NMR Protein Structure Refinement with Mean Force Potentials, American Mathematics Society 2006 Fall Central Section Meeting, Cincinnati, Ohio, October 21-22, 2006.
- Distance-based Protein Structure Modeling, job candidate talk, Department of Mathematics, Western Kentucky University, Bowling Green, Kentucky, April 25, 2006.
- A Rigid Geometric Build-up Algorithm for Solving a Distance Geometry Problem, 2006 Iowa Mathematics Meeting, MAA- Iowa Section, Ames, Iowa, April 7-8, 2006.
- What can we get from Local DME? SIAM Conference on the Life Sciences, Portland, Oregon, July 11-14, 2004.

#### ***Poster Presentations***

- **Wu, D.**, Protein Structure Determination and Refinement via Short and Long Range Potentials, UT-ORNL-KBRIN Bioinformatics Summit 2010, Lake Barkley State Resort Park, Cadiz, KY, March 19-21, 2010.
- **Wu, D.**, An Integrated Software Environment for Protein Structure Refinement, UT-ORNL-KBRIN Bioinformatics Summit 2009, Fall Creek Falls State Park, Pikeville, Tennessee, March 20-22, 2009.
- Davis, R.\*, Ernst, C., and **Wu, D.**, The Molecular Distance Geometry Problem Incorporating Clique Detection, UT-ORNL-KBRIN Bioinformatics Summit 2009, Fall Creek Falls State Park, Pikeville, Tennessee, March 20-22, 2009.
- Quiton, J., and **Wu, D.**, Computing infrastructure initiative and methods in biological modeling, survival analysis and statistical data mining, 14th Annual Kentucky EPSCOR Conference, Louisville, KY, Oct 3, 2008
- **Wu, D.**, Geometric Databases of Protein Structures, UT-ORNL-KBRIN Bioinformatics Summit 2008, Lake Barkley State Resort Park, Cadiz, KY, March 28-30, 2008.
- **Wu, D.**, Garabato, B.\*, A Novel Method for the Superimposition of Protein Structures through Weighted RMSD, UT-ORNL-KBRIN Bioinformatics Summit 2007, Paris Landing State Park, Buchanan, Tennessee, April 13-15, 2007.
- **Wu, D.**, and Wu, Z., Protein Structure Determination through Geometric Build-up Algorithms, Sixth Annual Joint Bioinformatics Symposium-Systems Biology, Ames, Iowa, July 13-14, 2006.
- **Wu, D.**, Cui, F., Jernigan, R., Wu, Z., NMR-determined Protein Structure Refinement with Database Derived Mean-Force Potentials, Sixth Annual Joint Bioinformatics Symposium-Systems Biology, Ames, Iowa, July 13-14, 2006.

- **Wu, D.**, and Wu, Z., Geometric Build-Up Algorithms for Protein Structure Determination, Wisconsin 32nd Steenbock Symposium on Dynamics of Proteins and Macromolecular Assemblies, Madison, Wisconsin, May 18-21, 2006.
- Cui, F., **Wu, D.**, Jernigan, R., and Wu, Z., Refinement of Protein Structures with Database-Derived Distance Constraints and Mean-Force Potentials, Wisconsin 32nd Steenbock Symposium on Dynamics of Proteins and Macromolecular Assemblies, Madison, Wisconsin, May 18-21, 2006.

\*: student author

### ***Workshops***

- Summer Program II for Educators Teaching Text Mining , SAS World Headquarters Training Center, Cary NC, July 20-24, 2009
- Summer Program I for Educators Teaching Data Mining, SAS World Headquarters Training Center, Cary NC, July 21-25, 2008
- The IMA Thematic Year on Molecular and Cellular Biology, Workshop: Protein Folding, the Institute for Mathematics and Its Applications, University of Minnesota, Minneapolis, MN, January 14-18, 2008.
- The IMA Thematic Year on Molecular and Cellular Biology, Tutorial: Mathematics of Proteins, the Institute for Mathematics and Its Applications, University of Minnesota, Minneapolis, MN, January 10-11, 2008.
- Intensive International Workshop on High Performance Computing for Informatics and Biosciences, Bowling Green, Kentucky, Oct 5 - 6, 2007.
- The IMA Summer Program on Classical and Quantum Approaches in Molecular Modeling, the Institute for Mathematics and Its Applications, University of Minnesota, Minneapolis, MN, July 23-Aug 3, 2007.

### **TEACHING INTERESTS**

Bioinformatics, Computational Structural Biology, Constrained and Unconstrained Optimization, Combinatorial Optimization and Linear Programming, Financial Mathematics, Actuarial Science

### **HONORS AND AWARDS**

2009	Junior Faculty Fellowship, Western Kentucky University
2008	Summer Faculty Research Fellowship, Western Kentucky University
2007	First Time Grant Awardee, Office of Sponsored Program, Western Kentucky University
1997-2000	People's Scholarship, School of Life Science, Fudan University

### **STUDENTS ADVISED/CO-ADVISED**

Jocab Strain (undergraduate in biotechnology and chemistry, minor in computer science)  
 Pongsathorn Chotikasemsri (graduate in bioinformatics)  
 Jyothi Mekala (graduate in bioinformatics)  
 Junhua Wang (graduate in mathematics)  
 Qian Dong (graduate in mathematics)  
 Robert Tucker Davis (graduate in mathematics)

Jonathan Kennedy (undergraduate in mathematics)  
Joseph Kimeu (graduate in mathematics)  
Brady Garabato (undergraduate in chemistry and mathematics)  
Landon Oakes (undergraduate in mathematics and computer science)

## STUDENT RESEARCH PROJECTS

### *Master Thesis*

- As an advisor in the Master's thesis of Robert Tucker Davis (graduate student in mathematics)  
Thesis title: Geometric Build-up Solutions for Protein Determination via Distance Geometry (supported by NIH and NSF grants)
- As a committee member in the Master's thesis of Joseph Kimeu (graduate student in mathematics)  
Thesis title: Fractional Calculus: Definitions and Applications
- As a committee member in the Master's thesis of Junhua Wang (graduate student in mathematics)  
Thesis title: Large-Sample Logistic Regression with Latent Covariates in a Bayesian Networking Context
- As a committee member in the Master's thesis of Qian Dong (graduate student in mathematics)  
Thesis title: Qualitative Behavior of Solutions to Differential Equations in  $\mathbb{R}^n$  and in Hilbert Space
- As a committee member in the Master's thesis of Pongsathorn Chotikasemsri (graduate student in biology)  
Thesis title: Computational Prediction of the Aggregated Structure of Denatured Lysozyme

### *Pre-Medicine Committee*

- As a committee member for Ankita Patel (honors student in Pre-Medicine program)  
Ankita Patel is applying for MD program in the fall 2010. My responsibility includes mimicking interview and revising personal statement. Other members from Biology Department are Dr. Snyder and Dr. Conte.

### *Graduate/Undergraduate Research Assistant*

- Malena Agyemang (REU student in 2010 summer). Project: differential behaviors of osmolytes on the stability of all  $\beta$ -sheet proteins (supported by NIH grants).
- Vivek D. Badwaik (chemistry graduate student). Project: differential behaviors of osmolytes on the stability of all  $\beta$ -sheet proteins (supported by NIH grants).
- Jocab Strain (undergraduate student in biotechnology and chemistry, minor in computer science). Project: protein structure modeling via long-range contact (supported by NIH grants).
- Brady Garabato (undergraduate student in chemistry and mathematics). Project: superimposition of proteins structures (supported by NIH and NSF grants).
- Landon Oakes (undergraduate student in mathematics and computer science). Project: superimposition of proteins structures (supported by NIH and NSF grants).

### *Math Senior Project*

- As an advisor in the senior project of Jonathan Kennedy  
Project title: Quadratic Programming
- As a committee member in the senior project of Jennifer Jones  
Project title: Hypothesis Testing for Exponentially Distributed Measurements
- As a committee member in the senior project of Joseph Shields  
Project title: Hyperbolic Tiling via *Mathematica*
- As a committee member in the senior project of Jennifer Horn

Project title: Mean and Variance in Random Bowling

- As a committee member in the senior project of Joshua Hardy  
Project title: The Fourier Transform and Applications of the Fast Fourier Transform
- As a committee member in the senior project of Josh Wright  
Project title: Guitar String Solutions: Computational Vs Analytical
- As a committee member in the senior project of Matt Sherertz  
Project title: Measuring Default Risk with Logistic Regression
- As a committee member in the senior project of Stephanie Micallef  
Project title: The Mathematics Behind Photoshop's Pen Tool

## UNIVERSITY COURSES TAUGHT

Western Kentucky University

### Academic Year 2010

- Spring 2011  
Math 116 College Algebra (two sections)  
Math 331 Differential Equation
- Fall 2010  
Math 109 Mathematical Ideas (three sections)  
Math 142 Calculus with Applications for Life Sciences

### Academic Year 2009

- Spring 2010  
Math 350 Advanced Engineering Mathematics  
Math 142 Calculus with Applications for Life Sciences  
Math 116 College Algebra
- Fall 2009  
Math 327 Multivariable Calculus  
Math 116 College Algebra

### Academic Year 2008

- Spring 2009  
Math 350 Advanced Engineering Mathematics  
Math 142 Calculus with Applications for Life Sciences
- Fall 2008  
Math 142 Calculus with Applications for Life Sciences  
Math 470/470G Introduction to Operations Research

### Academic Year 2007

- Spring 2008  
Math 331 Differential Equation  
Math 142 Calculus with Applications for Life Sciences
- Fall 2007  
Math 327 Multivariable Calculus

### Academic Year 2006

- Summer 2007 (Optional)  
Math 470/470G Introduction to Operation Research
- Spring 2007  
Math 116 College Algebra

- Math 307 Linear Algebra
- Fall 2006
- Math 117 Trigonometry
- Math 307 Linear Algebra

Iowa State University (Instructor or Teaching Assistant of Recitation)

**Academic 2002-2006** Finite Mathematics, Calculus for Business, Calculus I, Calculus II, Linear Algebra, etc

## **SERVICES TO DEPARTMENT, COLLEGE AND UNIVERSITY**

### **Academic Year 2010**

- Statistical Education Committee
- Math Symposium Committee
- Webmaster Committee

### **Academic Year 2009**

- Graduate Committee
- Statistical Education Committee
- Webmaster Committee

### **Academic Year 2008**

- Graduate Committee
- Chair of Search Committee on Applied Mathematics
- Statistical Education Committee
  - Develop statistical data mining certificate
  - Develop actuarial science program and related courses
- Webmaster Committee
- ATP Advisor

### **Academic Year 2007**

- Graduate Committee
  - Create graduate flyer
- Chair of Search Committee on Mathematical Biology
- Webmaster Committee
- Calculus Textbook Committee

### **Academic Year 2006**

- Undergraduate Committee
- Graduate Committee
- Search Committee in Prob&Stat
- Webmaster Committee

## **MEMBERSHIPS**

- Kentucky Academy of Science (KAS)
- Society for Industrial and Applied Mathematics (SIAM)
- Mathematical Association of America (MAA)

- American Society of Mathematics (ASM)

## REFERENCES

Available upon request