### Learning: Undergraduate

Number of undergraduates: 57 majors, 30 minors, 24 Actuarial Science minors

Graduated 15

### Learning: Graduate

Number of graduate students: 66

Number of PhDs awarded: 3

Number of Masters awarded: 15

Funded on grants: 11

Post-doctoral students funded: 0

Funded on fellowships: 1

### Discovery

Number of grants: 22

Amount of grants: $1,951,514 Research expenditures: $530,614

Number of publications 42

Number of papers in press 24

### Engagement
Laboratory for Interdisciplinary Statistical Analysis (LISA) activities

Collaborations: 306 clients, 1830 hours

Short Courses: 191 attendees, 5 sessions

Walk-in Consulting Service: 75 clients, 128 hours.

Corporate partners program – added one member resulting in 10 members (BD, Capital One, DuPont, Eli Lilly and Company, General Electric, J.P. Research, Minitab, Pratt and Whitney, R.J. Reynolds, SAS)

One faculty is editor of a journal, six faculty are on editorial boards of (13 total) journals

### Diversity

Enhanced graduate education through teaching mentoring

Enhanced graduate education through research topic courses

Enhanced graduate experience through graduate student led seminars

Participation in departmental, college and university activities related to diversity

### Goals for 2009

Mentoring new faculty

Increase grant submissions and funding

Enhancing LISA (Laboratory for Interdisciplinary Statistical Analysis)

Improve graduate teaching

Enhance undergraduate experience
5/18/09

Details

New Grants


Grants (continuing):

1. **F. Guo** (Co-PI), “Modeling accident data for the 100-car naturalistic study”, sponsored by The National Surface Transportation Safety Center for Excellence. $30,000.


5. **I. Hoeschele** (PI), P30 CA12197, PI: Torti. WFUHS (NIH/NCI), Comprehensive Cancer Center of Wake Forest University. Title: Biostatistics Consulting. 2/1/2006 – 1/31/2012. $255,612.
6. **G. Holtzman**, FY08 DEQ Academic Advisory Committee Work Plan  
   Funding Agency: Virginia Department of Environmental Quality (VDEQ)  
   Principal Investigators: Golde Tamim Younos and Carl Zipper (CSES)  
   Total Funding for Dept of Statistics: $1,650.

7. **G. Holtzman**, FY09 DEQ Academic Advisory Committee Work Plan  
   Funding Agency: Virginia Department of Environmental Quality (VDEQ)  
   Principal Investigators: Golde Tamim Younos and Carl Zipper (CSES)  
   Total Funding for Dept of Statistics: $2,514.


12. **G. Vining**, (PI), Pratt & Whitney, “Support to the ACE Program,”: $45,000. Period: 3/1/08 – 12/31/08


Grants Pending:

1. **P. Du**, (Co-PI), Environmental variability and disease emergence: Spatial patterns of Ixodes scapularis, Borrelia burgdorferi and the emergence of Lyme disease in Virginia. *National Science Foundation/National Institute of Health.* $2,499,703 (1 summer month


7. I. Hoeschele (PI), National Institutes of Health. PI: F. Zou, UNC. Title: Nonparametric Bayesian variable selection in genetics and genomics.


14. **S. Leman** (PI), National Science Foundation (NSF 07-583): Foundations of Data and Visual Analytics for 400-500K over 3 years.

15. **Y. Liu** (Co-PI), Nanopharmaceutical Intervention in a Rodent Model of Complex Regional Pain Syndrome. PI: D. Bivins, MD Department of Anatomy, VCOM.


18. **M. Lemons**, $15,000 – NSF (REU Experience Grant in collaboration with the College of Engineering)


Books and book chapters (published or in-press):


Papers Published:


Papers In Press:


Fall 2008 Graduates

Celso, Jonathan R.          MS
Guo, Xiaobo                  MS
Herath, Herath M. K.         MS
Johnson, Nels G.             MS
Kensler, Jennifer L. K.      MS
McCann, Patrick M.           MS
Nsoesie, Elaine O.           MS
Ringer, James K.             MS
Sabatia, Charles O.          MS
Wang, Xiangrong              MS
Williams, Matthew R.         MS
Xiao, Pei                    MS
Zhang, Qi                    MS
Zhang, Wen                   MS
Lou, Jianying                PHD

Summer II 2008 Graduates

Gao, Feng                    PHD

Summer I 2008 Graduates

Li, Zhonggai                 PHD

Spring 2008 Graduates

Biberaj, Lydia               MS
5/18/09

**Corporate Partners Program**

New Partners:

JP Research

Continuing Corporate Partners:

Becton Dickinson Diagnostics
Capital One.
DuPont
Eli Lilly
General Electric
Kraft
Minitab
Pratt & Whitney
SAS
Service

Jeff Birch

- Chair, Teaching Evaluation Committee, 2000-present.
- Chair, Graduate Committee, 2001-present.
- Director of Graduate Programs in Statistics, 2001-present.
- Coordinator for STAT 3005-3006, STAT 3615-3616
- Faculty advisor, Mu Sigma Rho. (National Statistics Honor Society) 1991-present
- Referee for the Journal of Quality Technology (one paper)

Pang Du


Feng Guo

- Department Computer Committee
- Referee for Transportation Research Board annual meeting and the Journal of Transportation Research Record
- Referee for the Journal of Accident Analysis and Prevention

Leigh Harrell

- College of Science Curriculum Committee
- University Committee on Teaching Evaluations
- Met with Electrical Engineering department to look at modifications to Stat 4714, Statistics for Electrical Engineers.

Ina Hoeschele

- College of Science P&T committee
- VBI faculty evaluation advisory committee
- GBCB steering and admissions committees
- Adjunct Professor in the VT-Carillion Medical School, participated in curriculum development (Genetics, Block I team member))
- Associate Editor for the journal Genetics (new)
- Associate Editor for Biometrics (term ended in 2008)
- Associate editor for Genetics-Selection-Evolution (continued)
- Member of NIH grant proposal review panel for the GCAT (Genomics, Computational Biology and Technology) study section
- Panel reviewer for NSF Advances in Biological Informatics program

Golde Holtzman
5/18/09

- Chairperson of the departmental Corporate Partners Committee.
- Member, COS Cluster Committee (2007-2009).
- Elected member, Department of Statistics Personnel Committee, 2007-2009
- Appointed to Department of Statistics search committee for assistant professor, 2008-09.
- Appointed to Department of Psychology search committee for assistant professor, 2008-09.
- Mentor for assistant professor, Department of Statistics, 2007-2009
- Member, Academic Advisory Committee (AAC), Virginia Department of Environmental Quality, Tamim Younis, chair, 2007-2009
- Elected Mu Sigma Rho national councilor at large, 2007-2010

**Leanna House**
- Co-organizer for the Department of Statistics weekly colloquia.
- Organized a lunch for the female faculty and graduate students in our department.

**Dong Yun Kim**
- Refereed for the journal *The American Statistician*.

**Inyoung Kim**
- Qualifying exam committee member
- Search committee member
- Co chair of Sigma Mu research seminar for the Corporate Partner's Conference.
- Referee for Canadian Journal of Fisheries and Aquatic Sciences

**Marlow Lemos**
- University Library Committee
- University Diversity Committee

**Scotland Leman**
- Organizing the departmental colloquium.

**Ying Liu**
- Reviewed 2 hatch projects

**JP Morgan**
- Personnel Committee, Department of Statistics
- Search Chair, Department of Statistics
- Graduate Committee, Department of Statistics
- Policy & Procedures Committee, Department of Statistics
- Mentor to Junior Faculty: Dong-Yun Kim
- Associate Editor, *Journal of Statistical Planning and Inference*.
- Associate Editor, *Journal of the American Statistical Association*.
- Associate Editor, *The American Statistician*
- External reviewer for four promotion cases

**Marion Reynolds**
- Co-chair of the Personnel Committee (2007-2008)
- Chair of the Cluster Hiring Search Committee (2007-2008)
- Personnel Committee (2008-2009)
- Cluster Hiring Search Committee (2008-2009)
- Teaching Evaluation Committee
- Qualifying Exam Committee
- Policy/Procedures Committee
- Editorial Board Member *Journal of Quality Technology, IIE Transactions*
- Member of the Advisory Board of the Quality, Statistics, and Reliability Section of The Institute for Operations Research and the Management Science

**Eric Smith**
- Associate editor for Environmentrics
- Editorial Collaborator for Environmental and Ecological Statistics

**George Terrell**
- Undergraduate Program Committee for the Department of Statistics.
- Associate Editor of the Journal of Computational and Graphical Statistics

**Geoff Vining**
- College P&T Committee (until July 2008)
- Department Qualifying Examination Committee
- Department Corporate Partners Committee
- Editor-in-Chief, *Quality Engineering.*
- Co-Chair, Publications Management Board, American Society for Quality.
- Member, Advisory Board, *Quality Engineering.*
- Opponent, Malin Albin’s Ph.D. Defense, Lulea Technical University.

**Eric Vance**
- Member of the Faculty Senate
• Organized the Fall 2008 LISA Short Course Series
• Founded the LISA Walk-in Consulting Service
• Initiated a branch of StatCom, a student-run organization providing pro-bono statistical collaboration and consulting to local governmental and non-profit organizations. The StatCom chapter at Virginia Tech was subsequently founded in October 2008. More details can be found at http://lisa.stat.vt.edu/statcom

Bill Woodall
• Departmental Personnel Committee (co-chair in spring 2008), Departmental Graduate Committee
• Departmental Corporate Partners Committee (with responsibility with Inyoung Kim for organizing the Student Research Seminar for the Corporate Partners Conference)
• Member of the Editorial Review Boards of the *Journal of Quality Technology* and *Quality Engineering*
• Member of the American Statistical Association (ASA) Deming Lecturer Committee (I successfully nominated the 2008 Deming Lecturer, Dr. Don Berwick of the Institute for Healthcare Improvement and Harvard University.)
• Member of Advisory Board of Quality, Statistics, and Reliability Section of INFORMS
• Board of Directors for American Society for Quality Roanoke/Radford Section 1107: Student Liaison
• Outside Reviewer: Promotion to Professor, Arizona State University West; Promotions to Associate Professor, Athens University of Economics and Business and Naval Postgraduate School.
Honors and awards

Fellows of the American Statistical Association

Active Faculty

Marion Reynolds  
Eric Smith  
Geoff Vining  
Bill Woodall

Emeritus Faculty

Jesse Arnold  
I.J. Good  
Klaus Hinkelmann  
Dick Krutchkoff  
Ray Myers

Fellows of the American Society for Quality

Geoff Vining  
Bill Woodall

Elected Members, International Statistics Institute

Marion Reynolds  
Eric Smith  
Geoff Vining  
Bill Woodall
Diversity activities (6 faculty reporting)

- Organized a lunch for the female faculty and graduate students in our department.
- COS Diversity Committee
- Doctoral advisor for female and international graduate students
- New faculty mentoring
- Interactions with Cranwell Center
- Attended the Fourth Annual Multicultural Luncheon
- Mentoring minority graduate students
- Department of Psychology hiring committee, recruitment of female faculty member
- Maintaining an office that is a VT LGBTA Safezone