

Curriculum Vitae

Personal

Name: Grzegorz A. Rempala
Birth Place: Warsaw, Poland
Citizenship: US

Home Address: 10901 Shady Hollow Drive
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Office Address: Department of Mathematics
University of Louisville
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Education and Professional Degrees

- 2007 D.Sc. Habilitatus (post-doctoral degree)
Warsaw Technical University, Warsaw, Poland
- 1998 Ph.D., Applied Mathematics (US degree conferral)
Department of Mathematics, University of Warsaw, Warsaw, Poland
Chair of the conferral committee: Dr. S. Kwapien
- 1996 Ph.D., Mathematical Statistics
Department of Mathematics and Statistics
Bowling Green State University, OH, USA
Advisor: Dr Arjun K. Gupta
- 1992 M.A. Summa Cum Laude, Mathematics
Department of Mathematics University of Warsaw, Warsaw, Poland
Advisor: Dr R. Zieliński

Professional Positions

- 2007– Professor of Statistics
Department of Mathematics (College of Arts and Science) and
Department of Biochemistry and Molecular Biology (School of Medicine)
University of Louisville, KY
- 2006– Associate Professor of Biochemistry and Molecular Biology (with Tenure),
School of Medicine, University of Louisville, KY
(joint appointment with Mathematics).
- 2006– Director, Computational Biology Core

- Center for Genetics and Molecular Medicine
University of Louisville
- Fall 06 SAMSI Senior Research Fellow,
Statistical and Applied Mathematical Sciences Institute, Durham, NC
- Fall 05 &
Summer 04 Visiting Research Fellow, Statistical and Applied
Mathematical Sciences Institute and
Institute of Statistics and Decision Science, Duke University
- 2003–04 Visiting Research Fellow, Institute for Mathematics and Its Applications,
University of Minnesota
- 2003–04 Visiting Professor, Department of Mathematics
University of Minnesota
- 2002–2007 Associate Professor of Statistics, Department of Mathematics,
University of Louisville, Louisville, KY, USA
- Summer 2001 Visiting Research Professor, Statistics Department, Stanford University
- 1999- 2002 Director, Occupational Biostatistics Unit, Division of Occupational
Toxicology, University of Louisville Medical School, Louisville, KY, USA
- 1999-2004 Associate Assistant Professor, Department of Family and Community
Medicine, University of Louisville Medical School, Louisville, KY, USA
- 1996-2002 Assistant Professor, Department of Mathematics,
University of Louisville, Louisville, KY, USA
- Summer 1999,
2000 Honorary Fellow, Center for Mathematical Sciences,
University of Wisconsin-Madison, Madison, WI, USA
- 1992-1995 Assistant Project Statistician, OHM Environmental Services Corp.,
Findlay, OH, USA
- 1992-1996 Graduate Assistant, Bowling Green State University,
Bowling Green, OH, USA
- 1991-1992 Junior Research Associate, Institute of Computer Science,
Polish Academy of Science, Warsaw, Poland

Collaborations with Research Centers within the University of Louisville

- 2005– University of Louisville Birth Defects Center, Department of Molecular, Cellular and Craniofacial Biology
- 2004– Center for Genetics and Molecular Medicine, Department of Biochemistry and Molecular Biology
- 2004– Computer Vision and Image Processing Laboratory, Department of Electrical Engineering
- 2003– Shared Core Microarray Facility, Department of Medicine

Collaborations with National Research Groups

- 2007– Statistical and Applied Mathematical Sciences Institute, Program on Computer Modeling, Working Group on Stochastic Multiscale Approximations in Cellular Systems
- 2006– Focused Research Group: Intracellular Models of Chemical Reactions (research conducted at UofL, U. Wisconsin, Cornell U. and UCSD)
- 2005–06 Statistical and Applied Mathematical Sciences Institute, Program on National Defense and Homeland Security: Agricultural Networks Research Group and Anomaly Detection Research Group

Honors and Awards

- 2007 D.Sc Habilitatus (post-doctoral) Degree in Mathematical and Technical Sciences, Warsaw Technical University, Warsaw Poland
- 2006 Senior Research Fellowship, Statistical and Applied Math Sciences Institute
- 2002 Scientific Committee Membership, Midwestern Probability Colloquium
- 2001 NSF Young Investigators Fellowship (Statistics Department, Stanford University)
- 2000, 1999 NSF Fellowship and Summer Internship at the Center for Mathematical Sciences (University of Wisconsin-Madison)
- 1999 Victor A. Olorunsola Endowed Research Award (University of Louisville)
- 1992 National Graduate Research Award of the Polish Ministry of Education (University of Warsaw)

Selected Publications

Books and Book Chapters

Rempala, G and Wesolowski J. *Symmetric Functionals on Random Matrices and Random Matchings Problems*. Springer Series of the Institute for Mathematics and Its Applications. Hardcover (approx. 200 pages). Springer-Verlag, New York 2007 ISBN-10: 038775145 ISBN-13: 978-0387751450

Ostaszewski, K. and Rempala, G. Emerging Applications of the Resampling Methods in Actuarial Models. In *Intelligent Techniques In The Insurance Industry: Theory and Applications*. Hardcover. Pub. World Scientific, 2003.

Rempala, G. and Looney, S.W Power of the rank test for case-control studies with ordinal exposure. In *Biostatistical Methods*. Looney, S.W. editor. Humana Press, New Jersey, 2001.

Journal Articles

Rempala, G. and Pawlikowska, I. Limit Theorems for Hybridization Reactions on Oligonucleotide Microarrays. Manuscript, May 2006. *Journal of Multivariate Analysis* 2008. In press; DOI:10.1016/j.jmva.2008.02.014

Czajkowski, M, Gill, R, and Rempala, GA Model Selection in Logistic Joinpoint Regression with Applications to Analyzing Cohort Mortality Patterns. *Statistics in Medicine* 2008. In press; DOI: 10.1002/sim.3034

Rempala, GA. Ramos K, Kalbfleisch, T, and Teneng, I. Validation of a Mathematical Model of Gene Transcription in Aggregated Cellular Systems: Application to L1 Retrotransposition. *Journal of Computational Biology* 14(3): 339–349 (2007).

Amar V. Singh, Eric Rouchka, G. Rempala, Caleb Bastian, and Thomas B. Knudsen. Integrative database management for mouse development: Systems and concepts. *Birth Defects Research (Part C)*, 81, 1–19 (2007).

P. Bai, H.T. Banks, S. Dediu, A.Y. Govan, M. Last, A. Lloyd, H.K. Nguyen, M.S. Olufsen, GA. Rempala, and BD Slenning. Stochastic and deterministic models for agricultural production networks. *Mathematical Biosciences and Engineering*, 4(3):140, (2007).

Rempala, G. Ramos, K. and Kalbfleisch, T. A Stochastic Model of Gene Transcription: An Application to L1 Retrotransposition Events. *Journal of Theoretical Biology* 242 (1), 101–116 (2006).

Ball, K., Kurtz, T., Popovic L., and Rempala, G. Multiscale stochastic approximations for biochemical reaction networks. *Annals of Applied Probability* 16(4), 1925–1961 (2006).

Gonchigdanzan, K. and Rempala, G. Almost sure limit theorem for the product of partial sums. *Applied Mathematics Letters*, 19(2), 191–196 (2006).

Rempala, G. and Looney, Stephen Asymptotic properties of a two sample randomized test for partially dependent data. *Journal of Statistical Planning and Inference*, 136(1), 68–89 (2006).

Rempala G. and Wesolowski, J. Asymptotics for products of independent sums with an application to Wishart determinants. *Statistics and Probability Letters*, 74(2), 129–138 (2005).

Rempala, G. and Derrig, Richard. Hidden exposures and EM algorithm *North American Actuarial Journal*, 9(2), 108–128 (2005).

Rempala, G. and Wesolowski, J. Approximation theorems for random permanents and associated stochastic processes. *Probability Theory and Related Fields*, 131(3), 442–458 (2005)

- Rempala, and G. Wesolowski, J. Limit theorems for random permanents for matrices of exchangeable columns. *Journal of Multivariate Analysis*, 91, 224–239 (2004).
- Rempala, G. and Srivastav, S. Minimum variance rectangular design for U -statistics. *Journal of Statistical Planning and Inference*, 120 (1-2), 103–118 (2004).
- Rempala, G. Factorial power expansions for binomial and negative binomial reciprocals. *Proceedings of the Amer. Math. Soc.*, 132 261–271 (2004).
- Lewis, R. and Rempala, G. A case-cohort study of angiosarcoma of the liver and brain cancer at a polymer production plant *Journal of Occupational and Environmental Medicine*, 45 538–545 (2003).
- Rempala, G and Wesolowski, J. Incomplete U -statistics of permanent design. *Journal of Nonparametric Statistics* 15 no. 2, 221–236 (2003).
- Lewis, R. Rempala, G., Mundt, C., and Dell, L. Vinyl chloride and liver and brain cancer at a polymer production plant in Louisville, Kentucky. *Journal of Occupational and Environmental Medicine* 45, 533–537 (2003).
- Rempala, G. and Derrig, R. EM Algorithm and Detecting Hidden Risks in Actuarial Practice. *Forum of the Casualty Actuarial Society*, Winter, 75–101 (2003).
- Rempala, G. and K. Szatschneider. Bootstrapping mortality tables. *Scandinavian Actuarial Journal*, no 1: 53–78 (2004).
- Rempala, G. and Wesolowski, J. Strong law of large numbers for random permanents. *Probab. Math. Statist.*, 22(2), 201–209 (2002).
- Komendarczyk, Rafal and Rempala, G. Multivariate Cuzick test. *Journal of Nonparametric Statistics*, 14 no. 4, 367–382 (2002).
- Rempala, G. and Wesolowski, J Asymptotics for Products of Sums and U -statistics. *Electronic Communications in Probability*, 7 47–54 (2002).
- Rempala, G. and Wesolowski, J Central limit theorem for random permanents for matrices with correlation structure. *Journal of Theoretical Probability* 14 no. 4, 1097–1110 (2001).
- Rempala, G. The martingale decomposition and approximation theorems for a generalized permanent function. *Demonstratio Mathematicae* 33 no 2, 431–446 (2001).
- Derrig, R., Rempala, G., and Ostaszewski, K. Resampling Methods in Actuarial Science. *Proceedings of the Casualty Actuarial Society 2000; vol 87, pp 322-364*
- Rempala, G. and Gupta A.K Limiting behavior of elementary symmetric polynomials of increasing order. *Random Operators and Stochastic Equations* 8, no. 1, 39–50 (2000).
- Rempala, G. and Gupta A.K Some limit theorems for permanents of random matrices. *Random Operators and Stochastic Equations* 8, no. 4, 1–14 (2000).
- Rempala, G. and Wesolowski, J Limiting behavior of random permanents. *Statistics and Probability Letters* 45, 149–158 (1999).
- Rempala, G. and Gupta A.K. Weak limits of U -statistics of infinite order. *Random Operators and Stochastic Equations* 7, no. 1, 39–53 (1999).

- Rempala, G. and Derrig, R. and Ostaszewski, K.) Applications of Resampling Methods in Dynamic Financial Analysis *Casualty Actuarial Society Forum* May 1998
- Rempala, G. SLLN for U-statistics of varying order. *Statistics and Probability Letters* 39, no. 4, 263–220 (1998).
- Rempala, G. and Székely, G.J On estimation with elementary symmetric polynomials. *Random Oper. Stochastic Equations* 6, no. 1, 77–88 (1998).
- Rempala, G. Asymptotic behavior of random permanents. *Random Operators and Stochastic Equations* 4, no. 1, 33–45 (1996).
- Rempala, G. and Wesolowski, J. and Nguyen, T.T Non-Gaussian Measures with Gaussian Structure. *Probab. Math. Statist.* 16, no. 2, 287–298 (1996).
- Rempala, G. and Seredynski, F Approach to optimal task allocation by a Boltzmann machine. *Arch. Inform. Teor. Stosow.* 4. no.1-4, 87–95 (1992).

Selected Recent Manuscripts and Working Papers

- Kristen A. Stauffer Thompson, Greg A. Rempala, and John Yin An Experimental Model for Defective Interfering Particles of Vesicular Stomatitis Virus: The Amplification Rates at Low and High Levels of Interference. Manuscript under review, December 2007.
- R. Gill, F. Holden, G. A. Rempala Binomial p-spline regression for anomaly detection in cohort mortality patterns. Manuscript, under review December 2007.
- Derrig, Richard and Rempala, G. A Statistical Model of the Negotiation Settlement Process for Liability Claims. May 2006. Manuscript. Abbreviated version presented at World Risk and Insurance Economics Congress, Salt Lake City, August 2005.
- Yang, Yuhong and Rempala, G. A note on multiple testing in gene expression data. Manuscript, June 2006. Revised, May 2007. Under review with *Statistical Reviews*.
- Rempala, G. and Wesolowski J. Multiple Wiener-Ito integrals as weak limits for P -statistics. Manuscript, August 2007. Under review with *Annals of Probability*.

Research Funding

Current

- DMS0553701 PI Rempala, G. *Focused Research Group: Intracellular Models of Reaction Networks*. National Science Foundation, 2006-2009.
- 1P30ES014443-01A1 PI Ramos, K and Rempala, G. Co-PI . *Center for Environmental Genomics and Integrative Biology (CEGIB)* NIH-National Institute of Environmental Health Sciences, 2006-2011.

Past

5R15CA106248-02 PI Rempala, G. and Gill, R. Co-PI *Joinpoint Regression Model in Cohort Studies*. NIH-National Cancer Institute, 2005-2007.

PI Rempala, G. *High Dimensional Inference and Random Matrices*. National Science Foundation (via sub-contract with Duke University). 2006-07.

PI Lewis, R., Rempala, G., and Winters C. Co-PI's *Serum Inhibin B Levels in Male Polymer Production Workers* Center for Disease Control and National Institute of Occupational Safety and Health. 2001-2003.

PI Lewis, R. Rempala, G. and Fortwengler, P. Co-PI's *Brain Cancer Occurrence in VC Exposed Louisville Chemical Plant Workers*. Chemical Manufacturers Association 1997-99, research contract VCH 6.0 EPI.

PI Rempala, G. and Ostaszewski, K. Co-PI) *Possible Applications of Bootstrap in Actuarial Science*. Society of Actuaries 1998-99.

Organization of Synergistic Activities

Hot Topics Workshop on Stochastic Models for Intracellular Reaction Networks at the Institute for Mathematics and Its Applications, University of Minnesota, Minneapolis, MN May 11-13, 2008 (jointly with Tom Kurtz, Lea Popovic, and Ruth Williams)

<http://www.ima.umn.edu/2007-2008/SW5.11-13.08/>

Workshop on Biosystems Modeling at Statistical and Applied Mathematical Sciences Institute (SAMSI), Mar 5-7, 2007. (jointly with Darren Wilkinson)

<http://www.samsi.info/workshops/2006compmod-biosystems200703.shtml>

Mini Symposium on Computational Models in Molecular Medicine, Center for Genetics and Molecular Medicine, University of Louisville, Jan 5-6, 2007.

Workshop on Modern Statistical Learning Methods in Engineering and Biomedical Sciences. University of Louisville, May 2-3, 2005. (jointly with Aly Farag).

Statistical and Applied Mathematical Sciences Institute Summer Research Seminar Series, Research Triangle Park, NC. July-August 2004.

Institute for Mathematics and Its Applications, Complex Systems Seminar Series, Minneapolis, MN, September, 2003-April 2004. (jointly with Tom Kurtz).

Twenty Fifth Midwestern Probability Colloquium, Northwestern University, October 2003 (jointly with Salah Mohammed and Ofer Zeitouni).

Session on Applied Probability and Actuarial Science, AMS Regional Meeting, Louisville, KY, March 1998.

Meeting Presentations/Invited Lectures

Focused Research Group Meeting: Stochastic Models in Intracellular Reactions, UC San Diego, CA, January 2008.

Workshop on chemical kinetic models UT-ORNL-KBRIN Bioinformatics Summit, Paris Landing, KY, April 2007.

Session on Random Matrices and Non-commutative Probability, AMS Regional Meeting, Miami University, Athens, OH, April 2007.

Workshop on Biosystems Modeling, Statistical and Applied Mathematical Sciences Institute (SAMSI), March 2007.

Conference on Stochastic Models for Cell Biology, Cornell University, Ithaca, NY, Apr 2006.

Statistical and Applied Mathematical Sciences Institute Workshop on National Defense and Homeland Security. Syndromic Surveillance Panel. Research Triangle Park, NC September, 2005.

World Risk and Insurance Economics Congress, Salt Lake City, UT, August 2005.

Workshop on Modern Statistical Learning Methods in Engineering and Biomedical Sciences. Louisville, KY May 2005.

Casualty Actuarial Society Loss Reserve Seminar. San Antonio Sheraton, San Antonio, TX, March 2003.

8th International Vilnius Conference on Probability Theory and Mathematical Statistics Giedymius Technical University, Vilnius, Lithuania June 2002

27th Conference on Stochastic Processes and their Applications Center for Mathematical Sciences, Cambridge University U.K. July 2001

2000 Casualty Actuarial Society Annual Meeting. JW Marriot, Washington, D.C. November, 2000.

VI International Conference on Probability Poraj, Poland. July 2000.

IV National Conference of New Researchers in Probability and Statistics. Johns Hopkins University, Baltimore, MD, August 1999.

Bootstrap Workshop. Massachusetts Insurance Bureau, Boston MA, May 1999.

International Mathematical Congress. Berlin University of Technology, Berlin, Germany, August 1998

International Indian Statistical Institute Meeting. Mc Master University, Hamilton, Canada, October 1998.

Casualty Actuarial Society Loss Reserve Seminar. Philadelphia Marriot, Philadelphia, PA, September 1998

Casualty Actuarial Society Dynamical Financial Analysis Seminar. Boston Sheraton, Boston, MA, July 1998

AMS Sectional Meeting. University of Louisville, Louisville, KY, March 1998.

III National Conference of New Researchers in Probability and Statistics. University of Wyoming, Laramie, WY, July 1997

Other Invited Talks, Colloquia, etc.

Bioinformatics Research and Development Lab, Parco Tecnologico, Località Piscinamanna, 09010 Pula, Sardinia - Italy, July 2007

Department of Mathematics, University of South Florida, Tampa, FL Feb, 2007.

Department of Statistics, University of South Carolina, Columbia, SC January 2007.

Statistics Department, NC State University, Durham, November, 2006;

Statistical and Applied Mathematical Sciences Institute, Durham, NC, January 2006.

Department of Applied Mathematics, Warsaw Technical University, Warsaw, Poland, January 2005, September 2005.

Computer Vision and Image Processing Laboratory, Department of Electrical Engineering, UofL, October 2004.

National Institute of Statistical Science, Durham, NC July 2004.

Statistical and Applied Mathematical Sciences Institute, Durham, NC, June 2004.

Department of Mathematics, University of Minnesota, Minneapolis, MN, April 2004.

Institute for Mathematics and Its Applications, Minneapolis, MN, January 2004.

Department of Mathematics, University of Wisconsin, Milwaukee, WI, November 2003.

Department of Statistics, Vilnius Technical University, Vilnius, Lithuania, July 2002.

Department of Mathematics, Rose-Hulman IT, Terra-Haute, IN. March 2002.

Department of Mathematics, Boise State University, Boise, ID. March 2002.

Department of Statistics, Stanford University, Palo Alto CA. July 2001.

Department of Mathematics, University of Paris, Paris, France. July 2001.

Department of Mathematics, Illinois State University, Normal, IL. April 2001, 2002.

Department of Mathematics, University of Cincinnati, Cincinnati OH. September 2000.

Institute of Mathematics, Polish Academy of Sciences, Warsaw, Poland. June 2000.

Department of Statistics, University of Kentucky, Lexington, KY. September 1999, April 2003.

Center for Mathematical Sciences, University of Wisconsin-Madison, Madison, WI. July 1999, 2000.

Department of Mathematics, Warsaw University of Technology, Warsaw, Poland. June 1999, 2001.

Department of Statistics, Texas A&M University, College Stations, TX. March 1999.

Department of Mathematics, University of Texas at Dallas, Dallas, TX. March 1999.

Advising and Refereeing

PhD thesis advisor for

1. Michal Czajkowski *Joinpoint regression models in cohort mortality analysis* (May 07).
2. Ayman S. El-Baz *Stochastic Modeling for Segmentation of Multi-modal Images* (December 2006). Co-advisor with Aly Farag, CVIP Lab.
3. Refaat M. Mohamed *Statistical Learning for Dimensionality-Independent Density Estimation in Pattern Recognition* (Fall, 2005). Co-advisor with Aly Farag, CVIP Lab.

Master's thesis advisor for

1. Fadden Holden *Binomial P-Spline Models in Analyzing Cohort Mortality Patterns* (Fall 2007)
2. K. Szatszneider. *Parametric Bootstrap in Mortality Tables* (Fall 2003)
3. E. Vertuli *Inhibin B levels and testicular injuries in the cohort of male chemical workers* (Spring 2002)
4. Rafal Komendarczyk. *Multivariate Cuzick's tests* (Fall 1999)

Referee for: IET Systems Biology, Applied Analysis and Applications, Metrika, Journal of Nonparametric Statistics, British Journal of Mathematical and Statistical Psychology, Sankhya, Journal of American Statistical Association, Journal of Statistical Planning and Inference, Applied Mathematics Letters, Journal of Stochastic Analysis and Applications, CRC Press, CAS, Random Operators and Stochastic Equations, Sequential Analysis, CAS Proceedings, Encyclopedia of Actuarial Sciences.

Reviewer and scientific panels member for: National Science Foundation (Probability), American Heart Association (Bioinformatics).

Courses Taught

* indicates a graduate course

Course:	Time taught:
Algebraic Statistical Models in Comparative Genomics	Fall 07
Math Models in Systems Biology*	Fall 06
Adv. Probability Models*	Fall 99, Spring06
Adv. Mathematical Statistics*	Spring 99, Spring 03
Adv. Probability Theory*	Fall 98, Fall 02
Introduction to Probability Theory*	Spring 05
Elementary Statistics	Fall 97-Spring 07
Sampling Techniques*	Spring 98
Statistical Data Analysis*	Summer 97, Fall 00, Spring 01
Nonparametric Statistics*	Fall 97
Mathematical Statistics I	Fall 96
Calculus II	Spring 97
Differential Equations	Fall 96, Spring 97

Statistical Consulting

Client:	Last activity:
Seagal et al. Legal Offices, Louisville, KY	December 1998
American Chemistry Council	July 2001
Poly One Corporation	Summer 2002
Casualty Actuarial Society	March 2003
Epic Actuaries Inc	May 2003
Massachusetts Auto-Insurers Bureau	Feb. 2004
National Institute for Alcohol Abuse and Alcoholism	Feb. 2004
OPAL Consulting LLC	ongoing

Statistical and Mathematical Modeling Software Development

LJR a set of R-language routines for analyzing change point regression models with binomial responses. Available from [CRAN repository](#). Under research contract with National Cancer Institute, 2007 (jointly with Ryan Gill and Michal Czajkowski).

STaS 1.0 and 1.1 SAS EIS add-on software, for non-parametric analysis of the Detailed Claims Database of the Massachusetts Insurance Bureau. Under contract with the Massachusetts Insurance Bureau, Boston, MA 1999.

ReBeCCA soft. SAS EIS add-on software for bootstrap power calculations in CC epidemiological studies, based on Cuzick's and Van-Elteren's tests. Under contract with the Division of Occupational Epidemiology, University of Louisville, School of Medicine, Louisville, KY 2000 (jointly with Rafal Komendarczyk).

Current Research Areas

Genomics and bioinformatics. Mathematical models of chemical reaction networks, multiple matchings and alignment problems. Stochastic elongation and adsorption models, oligo-probe hybridization reaction. Gene expressions data, microarray analysis. Empirical Bayesian methods. Strong and weak experiment-wide error control. Multiple testing.

Mathematical statistics. Nonparametric estimation theory. Empirical likelihood methods. Subsampling and resampling plans. Block and circular bootstrap methods. Nonparametric regression and machine learning. Time series-based inferences. Nonparametric time series theory.

Mathematical epidemiology. Epidemiological studies and occupational surveillance. Stochastic models of epidemics. Bio-surveillance and scan-type statistics. Case-control studies. Resampling plans. Ordinal scale exposure measurements and exposure misclassification problems. Multiple exposure. Multivariate rank tests methods for exposure models. Logistic regression.

Classical probability theory. Functionals on random matrices. Symmetric statistics of infinite order, permanent decompositions and martingale representations, resampling and subsampling plans. U -processes and their strong approximations.

Stochastic processes. Stochastic differential equations and time series analysis with applications to financial mathematics and molecular biology, especially cash flow models and bio-chemical reaction models. Diffusion approximations of empirical processes and related non parametric modeling methods applied to company asset-liability, interests rates, and loss distribution models as well as bio-chemical reaction models.

Current and Recent Collaborators

Tom Kurtz, Michael Newton, Gheorge Craciun and Kris Kedziorski (UW-Madison), Lea Popovic (Concordia Univ.), Yuhong Yang (U of Minnesota), Kenneth Ramos, (UofL Biochemistry), Aly Farag (UofL Engineering), Tom Knudsen (UofL Cell Biology), Michal Czajkowski, Ryan Gill (UofL, Math), Rafal Komendarczyk (Penn State), Richard Levis (U. of Kentucky), Stephen Looney (Medical College of Georgia), J. Wesolowski (Warsaw Inst. of Technology), Michael Baron (IBM and Univ. of Texas at Dallas), Sudesh Srivastav (Tulane University), Richard Derrig (Automobile Insurers Bureau of Massachusetts), Joe Romano (Stanford University), Hillary Booth (Australian National University), Michael Last (National Institute of Statistical Science) David Tollerud (UofL School of Public Health),

Jon Mattingley (Duke Univ.), Doug Darling (UofL Cell Biology), Ted Kalbfleisch (UofL Biochem. and Center for Genetics).

References

upon request