

CURRICULUM VITAE
DRAGAN RADULOVIC

Department of Mathematics
Florida Atlantic University, Boca Raton FL
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Education:

- 1999-2001 **Post-Doc** Princeton University-Applied Mathematics,
Concentration: *Mathematical models for Internet traffic*
Supervisor: *Dr. Ingrid Daubechies*
- 1991 - 1996 **Ph.D.** in Mathematics, May 1996 (GPA:4.0)
University of Connecticut, Storrs, Connecticut
Concentration: *Probability Theory and Mathematical Statistics*
Thesis: "*The Bootstrap for Empirical Processes Under Dependence*"
Advisor: *Dr. Evarist Giné*
- 1985-1989 **Bachelor of Science** in Mathematics (GPA:3.8)
Zagreb University, Zagreb, Croatia

Employment:

- 2003-present Associated/Assisten prof. Florida Atlantic University
- 2001-2003 Gibbs Instructor at Yale University Statistics Department
- 2001 Spring Visiting Institute Henri Poincare, Paris France
- 1999-2002 Principal Mathematician at Internet Startup Company Quantiva inc.
- 1999-2001 Research Associate at Princeton University (App. Math.) and Research Consultant for AT&T Labs
- 1997-1999 Research Associate at United Technology Research Center- East Hartford CT
- 1996-1997 Assistant Professor at Eastern Connecticut State University

Recent Consulting:

- 2009-present Slavic 401K (Boca Raton)
Analysis of Retirement deferral data, large data file manipulation, predictive models
Contact JohnS@slavic.net
- 2006-2009 Fred Hutchinson Cancer Research Center (Seattle)
Designed Statistical algorithms/procedures for cancer biomarkers research
Engaged as a communicator to non-statisticians, Interpreted Statistical data to Physicians

Contact: Dr. Antonio Bedalov (abedalov@fhcrc.org)

- 2005-2006 Department of Medicinal Chemistry (Univ. Washington)
Data Analysis for Mass Spectrometry procedures,
Interpretation of data and statistical significance to Molecular Biologists.
Contact Dr. David Goodlett (goodlett@u.washington.edu)
- 2009 Statistical Expert for SpolterLAW
Testified in Florida Federal court; Contact: Loring Spolter (SpolterLAW@aol.com)
- 2009 Statistical Expert for law firm: Smith, Ivey & Fronrath, P.L.
Contact Todd Fronrath (tfronrath@injuryattorneysforjustice.com)
- 2003 Team Health (Plantation FL)
Analyzed Emergency room annual budgets/billing
Help the company complied with Federal requirements
Contact: (954) 377-2300 1801 NW 66TH Ave Ste 200 Plantation, FL

U.S. Patents:

- 2008 “System and method for analyzing a data stream C”
U.S. Patent Number 7 415 390, (joint work with R. Hiller at Net Scout)
- 2006 “System and method for analyzing a data stream B”
U.S. Patent Number 7 133 808 -, (joint work with R. Hiller at Net Scout)
- 2006 “System and method for analyzing a data stream A”
U.S. Patent Number 7 031,884, (joint work with R. Hiller at Net Scout)
- 2002 MonitoringSystem Behavior Using Empirical Distributions and Cumulative Distribution Norms *U.S. Patent Number 6,477,485*(Joint work with B. LaBarre-UTRC)

Publications:

Molecular Biology/Bioinformatics

- 2008 Comparison of a Label-free Quantitative Proteomic Method Based on Peptide Ion Current Area to the Isotope Coded Affinity Tag Method in *Cancer Informatics* 2008 : 243-255 , Soyoug Ryu and David R. Goodlett, Radulovic, D et al
- 2007 Genetic basis of proteome variation in yeast, Dragan Radulovic, Eric J Foss, et al, *Nature-Genetics* 39, 1369 - 1375 (2007) (This paper fetured in highlights for Nature-Biotechnology and Nature-Genetics Reviews)

- 2007 MglA Regulates Francisella tularensis subsp novicida (Francisella novicida) Response to Starvation and Oxidative Stress, Tina Guina, Dragan Radulovic, et al *Journal of Bacteriology*, 2007, p. 6580-6586, Vol. 189, No. 18
- 2004 Informatics Platform for Global Proteomic Profiling and Biomarker Discovery, Radulovic, D., Jelveh, S., Ryu, S., Hamilton, G., Foss, E., Mao, Y., Emili, A.: *Molecular and Cellular Proteomics*. 2004 3, 984-997
- 2003 PRISM: A Generic Large-Scale Proteomics Investigation Strategy for Mammals, Dragan Radulovic, et al *Mol Cell Proteomics* 2, 96-106 (2003).

Probability Theory and Mathematical Statistics:

Publications:

- 2009/2010 Necessary and Sufficient Conditions for Moving Blocks Bootstrap Central Limit Theorem of the Mean, D Radulovic to appear in *Journal of Nonparametric Statistics* (2010) (acceptance letter attached below)
- 2009 Uniform central Limit theorems for pre-Gaussian classes of functions, D. Radulovic, M. Wegkamp, *High Dimensional Probability Vol. 5* (2009) 84–102
- 2008 Another look at Disjoint Blocks Bootstrap, D. Radulovic *Test*. 2008 18: 195-212
- 2008 Pure Random Search with Exponential Rate of Convergency, D. Radulovic *Optimization* 2008, Vol1 pg 1-15
- 2008 A Discretized Version of the Self-Similar Model for Internet Traffic1, K Drakakis, D. Radulovic *Applied Mathematical Sciences*, Vol. 2, 2008, no. 55, 2743 - 2756
- 2007 On the spikiness of Internet traffic. K. Drakakis, D. Radulovic *Appl. Math. Sci. 1(2007) No 9-12* pp 571-602
- 2005 An Improvement on the Energy Function, K. Drakakis, D. Radulovic *Signal Processing* Volume 85, Issue 1, January 2005, Pages 121-127
- 2004 Weak Convergence of Empirical Copula Process. Fermanian , Radulovic, Wegkamp, *Bernoulli* 2004, 10 No. 5 847-860.
- 2004 Renewable Type Bootstrap for Markov chains, D. Radulovic *Test* (2004) Vol 13 No. 1 pg 1-46
- 2003 On Accelerated Random Search, M. Appel , B. Labarre, D. Radulovic *SIAM Journal on Optimization*, Volume 14, Number 3, (2003). Pgs. 703-731
- 2003 A Note on Smoothed Bootstrap, D. Radulovic *Progress in Probability* (2003) Vol. 55, pg 333-346

- 2003 Necessary and Sufficient Conditions for Weak Convergence of Smoothed Empirical Processes
D. Radulovic, M. Wegkamp, *Stat. Probab. Letters* (2003) Vol. 61 Pg. 321-336
- 2002 Some results on the multiresolution structure of Internet traffic traces, K. Drakakis, D. Radulovic
Proceedings of SPIE. 2002. Volume 4868-pages not given-online Journal.
- 2000 Weak Convergence of Smoothed Empirical Processes Beyond Donsker Classes,
D. Radulovic, M. Wegkamp *High Dimensional Probability II*, Birkhauser, 89 - 106. (2000)
- 1998 Jackknife-Bootstrap Variance Estimator, *Test*. Vol.7, No. 2, pg 295-306
- 1998 Can We Bootstrap Even If CLT Fails?
The Journal of Theoretical Probability, 1998. Vol 11, No. 3
- 1998 The Bootstrap of Empirical Processes for α -Mixing Sequences,
Progress in Probability, (1998)Vol 43, Birkhauser Verlag/Switzerland
- 1996 The Bootstrap for the Empirical Process Based on Stationary Observations,
Stochastic Processes and their Applications 1996. 65. pp. 259-279
- 1996 Bootstrap of the Mean for Strong Mixing Sequences Under Minimal Conditions,
Statistics and Probability Letters 1996. 28. pp 65-72.