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EDUCATION

Ph.D. Statistics Michigan State University, Department of Statistics and Probability.

Resampling methods for linear models, advisor: R. LePage, (1991–93).

Ph.D. Mathematics Wrocław University of Technology, Institute of Mathematics.

Ergodic Properties of Stable Processes, advisor: A. Weron, (1989–91)

M.S. Mathematics Wrocław University of Technology, Institute of Mathematics.

Pointwise Ergodic Theorems for Weighted Composition Operators, advisor: J. Woś, (1981–86)

HONORS AND AWARDS

Best Paper Award International Society of Offshore and Polar Engineers, for the paper jointly with Igor Rychlik and Eva Sjö entitled *Statistics for Velocities of Random Waves* presented at the 9th International Offshore and Polar Engineering Conference, Brest, France (1999)

Honorary Fellow Center for the Mathematical Sciences, University of Wisconsin–Madison (1998)

College Doctoral Fellowship College of Natural Science, Michigan State University (1992)

The Marcinkiewicz Prize Polish Mathematical Society for the Best Master Thesis in Mathematics (1986)

The Best Student Work on Probability Theory and Applications National Competition, Poland (1986)

Master Diploma with Distinction (1986)

Outstanding Student Research Stipend by the Polish Minister of the National Education (1985–1986)

WORK EXPERIENCE

March 2007 – present Professor, Department of Mathematical Statistics
Lund University, Lund.

August 2000 – March 2007 – Associate Professor, Department of Mathematical Sciences, Indiana University – Purdue University at Indianapolis.

July 2004 - June 2005 leave of absence, Associate Professor, Department of Mathematics and Statistics, University of Nevada, Reno.

August 1994 – July 2000 – Assistant Professor, Department of Mathematical Sciences, Indiana University – Purdue University at Indianapolis.

January 1994 – August 1994 – Post Doctoral position, Center for Stochastic Processes, Department of Statistics, University of North Carolina, Chapel Hill.

August 1993 – December 1993 Visiting Assistant Professor with teaching duties, Department of Statistics and Probability, Michigan State University, East Lansing.

September 1991 – August 1993 Research Assistant, Department of Statistics and Probability, Michigan State University, East Lansing.

September 1986–June 1991 Teaching and Research Assistant, Institute of Mathematics, Wrocław University of Technology, Poland.

RESEARCH EXPERIENCE

Fall 2002 Sabbatical leave, research and teaching at the Department of Mathematical Statistics, Lund University, Sweden,

Spring 2001 - Fall 2002 Awarded with the Interdisciplinary Project Grant, work on *Statistical reliability of the respiratory therapy credentialing examinations*,

- Fall 2000 - Spring 2001** Awarded with the Study in a Second Discipline Grant, work on *Stochastic modeling and statistical methods for nonlinear random waves*,
- August 2000** Awarded with the Purdue Research Foundation Summer Grant, work on *The Laplace distribution and its generalizations*,
- May-June 1999** Awarded with the IUPUI Proposal Development/Grant Writing Fellowship,
- March 1999, May 1998, May-June 1997** Visited the Department of Mathematical Statistics, University of Lund, Sweden, research on stochastic modeling irregular sea surfaces.
- August 1998** Awarded with the Purdue Research Foundation Summer Grant, work on *Long-run distributions for irregular sea surfaces*,
- July-August 1998** The Summer Internship in Probability and Stochastic Processes, University of Wisconsin-Madison.
- June 1998** Visited The French Research Institute for the Exploitation of the Sea, Institut Franais de Recherche pour l'Exploitation de la MER (IFREMER), Brest, France, research on long-run distribution of irregular seas.
- May-August 1996** Took part in the Navy Grant N00014-93-1-0043, research on modeling a ship response to waves in rough seas, the Center for Stochastic Processes, University of North Carolina at Chapel Hill.
- January-August 1994** Took part in the NSF and the Air Force Office of Scientific Research Grant No. 91-0030 and the Army Research Office Grant No. DAAL03-92-G-0008, research on inverse problems in image analysis, the Center for Stochastic Processes, University of North Carolina at Chapel Hill.
- September 1991 to August 1993** Took part in ONR Grant: N00024-91-J-1087, Department of Statistics and Probability, Michigan State University, research on reliable resampling methods for linear models.
- December 1990** Became a member of Hugo Steinhaus Center for Stochastic Processes, Wroclaw University of Technology.
- September 1988 – August 1991** Took part in Research Grant of the Polish Ministry of National Education: DNS-P/05/022/92, research on chaotic behavior and visualization of stable and infinite divisible processes.

PROFESSIONAL ACTIVITIES

- Served as a referee and reviewer for : *Journal of Applied Probability, Applied Mathematics Letters, Mathematical Review, Annals of Statistics, Probability and Mathematical Statistics, Fields Institute Communications, Statistical and Probability Letters, Stochastic Models, Economic Theory, Probability Theory and Related Fields, Journal of Statistical Planning and Inference, Extremes.*
- Member of *American Mathematical Association.*

TEACHING AND SERVICE

- Mentor to Postdocs: Vladimir Fokin, Indiana Univ.-Purdue Univ. Indianapolis, research on statistical aspects of proteomics, Fall 2005 - Spring 2006, Anastassia Baxevasi, University of Nevada at Reno, research on fractional Brownian motion, Fall 2004 - Spring 2005,
- Academic Advisor to: Qun Lin, a Ph.D. student in the Department of Mathematical Sciences, research on statistical methods for massive biomedical data in genetics and proteomics, Indiana University – Purdue University, Indianapolis, (2002-present), Timothy L. Beck, a Master student, thesis: *A Nonlinear Regression with Application to Calibration Problem* (1998), Julia Ivashina, a Master student, thesis: *Conditional Bootstrap Inference for Regression with Outliers* (1997).
- Served as the Director of the Graduate Program in Applied Statistics (2003-present),
- Served as the Coordinator to the Chair of the Graduate Studies in Applied Statistics (1999-2002),
- Organized and served as the Director of the Statistical Consulting Laboratory (1999-2000),
- Took parts in several consulting projects in collaboration with researchers in academia, government and industry,
- Have taught numerous graduate statistics courses: *Stochastic Processes, Sampling Theory, Nonparametric Statistics, Mathematical Statistics, Time Series, Design of Experiment*,
- Have taught undergraduate courses in *Statistics, Probability, Univariate and Multivariate Calculus, Linear Algebra.*

COMPUTING EXPERIENCE

- Fluent knowledge and active usage of *Minitab*, *S-PLUS*, *C*, *Pascal*, *Mathematica*, *Matlab*, *SAS*.
- Coauthor, with copyrights, of *LaPlot* package for analysis of multidimensional statistical data

PUBLICATIONS

Books:

1. Kotz, S., Kozubowski, T.J., Podgórski, K. (2001) *The Laplace distribution and generalizations. A revisit with applications to Communications, Economics, Engineering and Finance*, Birkhäuser.

Articles in journals:

1. Kozubowski, T. J., Podgórski, K. (2008) Distributional properties of the negative binomial Lévy process. Accepted to *Probab. Math. Statistics*.
2. Kozubowski, T.J., Panorska, A.K., Podgórski, K. (2008) A Bivariate Lévy Process with Negative Binomial and Gamma Marginals. To appear *J. Multiv. Anal.*
3. Kozubowski, T. J., Podgórski, K. (2008) Skewed Laplace distributions I: the origins and interrelation. to be published in *Mathematical Scientist*, **33**.
4. Kozubowski, T. J., Podgórski, K. (2008) Skewed Laplace distributions II: divisibility properties and extensions to stochastic processes. to be published in *Mathematical Scientist*, **33**.
5. Podgórski, K., Rychlik, I. (2007) Envelope crossing distributions for Gaussian fields accepted to *Probabilistic Engineering Mechanics*.
6. Kozubowski, T. J., Podgórski, K. (2007) Invariance properties of the negative binomial Levy process and stochastic self-similarity. *International Mathematical Forum*, **30**, pp. 1457-1468.
7. Molz, F. J., Kozubowski, T. J., Podgórski, K., Castle, J.W. (2007) A generalization of the fractal/facies model. *Hydrogeology Journal*, **15**, pp. 809-816.
8. Kozubowski, T. J., Meerschaert, M., Podgórski, K. (2006) Fractional Laplace motion. *Adv. in Appl. Probab.* **38**, pp. 451-464.
9. Baxevani, A., Podgórski, K., Rychlik, I. (2003) Velocities for moving random surfaces, *Probabilistic Engineering Mechanics*, **18**, pp. 251-271.
10. Cullen, D., Van Scoder, L., Podgorski, K., Elmerick, D. (2003) The reliability of and correlation between the respiratory therapist written registry and clinical simulation self-assessment examinations, *Chest*, **123**, pp. 1284-1288.
11. Kozubowski, T.J., Podgórski, K. (2003) Log-Laplace distributions. *Intern. Math. Journal*, **3**, pp. 467-495.
12. Kozubowski, T.J., Podgórski, K. (2003) A Log-Laplace growth rate model, *The Mathematical scientist*, **28**, pp. 49-60.
13. Kotz, S., Kozubowski, T.J., Podgórski, K. (2002) Maximum likelihood estimation of asymmetric Laplace parameters, *Ann. Inst. Statist. Math.*, **54**, pp. 816-826.
14. Van Scoder, L., Cullen, D., Podgorski, K., Elmerick, D. (2002) Is the written registry self-assessment examination reliable for a student population? *Respiratory Care Educational Annual*, **11**, pp. 23-27.
15. Kotz, S., Kozubowski, T.J., Podgórski, K. (2002) Maximum entropy characterization of asymmetric Laplace distribution, *Int. Math. J.*, **1**, pp. 53-63.
16. Kozubowski, T., Podgórski, K. (2001) Asymmetric Laplace laws and modeling financial data. *Mathematical and Computer Modelling* **34**, pp. 1003-1021.
17. Podgórski, K., Rychlik, I., Machado, U.E.B. (2000) Exact Distributions for Apparent Waves in Irregular Seas, *Ocean Engineering*, **27**, pp. 979-1016.
18. Podgórski K., Rychlik I., Rydén J. and Sjö E. (2000) How big are the big waves in a Gaussian sea? *International Journal of Offshore and Polar Engineering*, **10**, pp. 161-169.
19. Kozubowski, T., Podgórski, K. (2000) Asymmetric Laplace distributions. *The Mathematical scientist*, **25**, pp. 37-46.
20. Kozubowski, T., Podgórski, K. (2000) A multivariate and asymmetric generalization of Laplace distribution. *Computational Statistics*, **4**, pp. 531-540.
21. Podgórski K., Rychlik I. and Sjö E. (2000) Statistics for Velocities of Gaussian Waves. *International Journal of Offshore and Polar Engineering*, **10**, pp. 91-98.
22. Kozubowski, T., Podgórski, K. (1999) A class of asymmetric distributions, *ARCH (Actuarial Research Clearing House)*, **1**, pp. 113-134.
23. Kozubowski, T., Podgórski, K. (1999) Geometric stable laws through series representations. *Serdica Math. J.*, **25**, 1001-1016.

24. Kozubowski, T., Podgórski, K., Samorodnitsky, G. (1998) Tails of Lévy Measure of Geometric Stable Random Variables. *Extremes*, **1**, pp. 367-378.
25. Podgórski, K., Simons, G., Ma, Y.-W. (1998) On Estimation for a Binary Symmetric Channel. *IEEE Transactions on Information Theory*, **44**, pp. 1260-1272.
26. LePage, R., Podgórski, K., Ryznar, M. (1997) Strong and conditional invariance principles for samples attracted to stable laws. *Probab. Th. Rel. Fields*. **108**, pp. 281-298.
27. LePage, R., Podgórski, K. (1996) Resampling permutations in regression without second moments. *J. Multiv. Analysis* **57**, pp. 119-141.
28. Cambanis, S., Podgórski, K., Weron, A. (1995) Chaotic behavior of infinitely divisible processes. *Studia Mathematica* **115**, pp. 109-127.
29. LePage, R., Podgórski, K. (1994) Giving the Boot, Block and Shuffle to Statistics. *Scientific Computing and Automation*. **10**, pp. 29-34.
30. Podgórski, K. (1992) A Note on Ergodic Symmetric Stable Processes. *Stochastic Processes and their Applications* **43** pp. 355-362.
31. Kokoszka, P., Podgórski, K. (1992) Ergodicity and Weak Mixing of Semistable Processes. *Probability and Mathematical Statistics* **13** pp. 239-244.
32. Lenczewski, R., Podgórski, K. (1992) A q -analog of the Quantum Central Limit Theorem for $SU_q(2)$. *Journal of Mathematical Physics* **33** pp. 2768-2778.
33. LePage, R., Podgórski, K. (1992) Resampling Permutations in Regression with Exchangeable Errors. *Computer Science and Statistics* **24**, pp. 546-553.
34. Podgórski, K. (1986) Determinism and Classical Mechanics. *Studia Filozoficzne* **56**, pp. 84-87.

Refereed articles – proceedings, books:

1. Podgórski, K., Rychlik, I. (2008) Envelope and its distributions *Proceedings of 2008 International Workshop on Applied Probability*, Universit de Technologie de Compigne, France.
2. Baxevani, A., Podgórski, K., Rychlik, I. (2002) How fast are the two-dimensional Gaussian waves? *Proceedings of the 12th (2002) International Offshore and Polar Engineering Conference*, Vol. III, pp. 18-26
3. Podgórski, K., Rychlik, I. (2002) Statistical properties of envelope field for Gaussian sea surface. *Proceedings of OMAE'02 21st International Conference on Offshore Mechanics and Arctic Engineering*, OMAE2002-28444, pp. 1-8.
4. Podgórski, K., Rychlik, I., Sjö, E. (1999) Statistics for velocities of random waves. *Proceedings of the 9th (1999) International Offshore and Polar Engineering Conference*, eds. Chung, J.S. et al., ISOPE, vol. III, pp. 27-33; The paper earned an award: The best paper at ISOPE 1999.
5. Podgórski, K., Rychlik, I., Rydén, J., Sjö, E., (1999) How big are the big waves? *Proceedings of the 9th (1999) International Offshore and Polar Engineering Conference*, eds. Chung, J.S. et al., ISOPE, vol. III, pp. 53-60,
6. LePage, R., Podgórski, K., Ryznar, M., White, A. (1998) Bootstrapping Signs and Permutations for Regression with Heavy Tailed Errors. in *A PRACTICAL GUIDE TO HEAVY TAILS: Statistical Techniques for Analyzing Heavy Tailed Distributions*. R. Adler, M. Taqqu, and R. Feldman eds. Birkhäuser, pp 339-358.
7. Janicki, A., Podgórski, K., Weron, A. (1993) Computer Simulation of α -stable Ornstein-Uhlenbeck Processes. in: Cambanis, S. et al., eds, *Stochastic Processes, A Festschrift in Honour of Gopinath Kallianpur*, (Springer-Verlag, New York) pp. 161-170.
8. Podgórski, K., Weron, A. (1989) Characterization of Ergodic Stable Processes via the Dynamical Functional. in: *Stable Processes and Related Topics* S. Cambanis, S. et al., eds, *Progress in Probability* **25** (Birkhäuser, Basel) pp. 317-328.
9. Podgórski, K. (1989) Martingale Approach to Boltzmann's Entropy and Exact Transformations. in: *Probability Theory on Vector Spaces IV*, Cambanis, S. and Weron, A., eds. *Lecture Notes in Mathematics* **No. 1391** (Springer-Verlag, New York) pp. 321-328.

Non-refereed reports, refereed abstracts, and other articles:

1. Ragg, S., Schadow, G., Vitek, O., Fokin, V., Podgórski, K., Ott, I. Braun, S.L., Kastrati, A., Schoemig, A. (2007) Proteomic Profiling of Plasma Samples in Coronary Artery Disease, *Circulation*, **116**, p. 575.
2. Baxevani, A., Podgórski, K. (2007) Lamperti transform and a series decomposition of fractional Brownian motion. *Preprints in Mathematical Science* **2007:26**, Mathematical Statistics, Lund University.

3. Fokin, V.V., Podgórski, K. (2006) Statistical Methods for Peptide Quantification in Liquid Chromatography-Tandem Mass Spectrometry. Abstract in the proceedings of the conference *Intelligent technologies in education, economics and management-2006*, Voronezh, Russia.
4. Cullen, D., Van Scoder, L., Podgórski, K., Elmerick, D., (2001) Examination of the registry credential: Are the written registry and clinical simulation examination measuring something different or the same thing? Abstract for American Association for Respiratory Care (AARC) 2001 International Congress in San Antonio, Texas, December 1-4, 2001, *Respiratory Care*, **46**, 1076.
5. Cullen, D., Van Scoder, L., Podgórski, K., Elmerick, D., (2001) The reliability for the clinical simulation examination. Abstract for American Association for Respiratory Care (AARC) 2001 International Congress in San Antonio, Texas, December 1-4, 2001, *Respiratory Care*, **46**, 1076.
6. Van Scoder, L., Cullen, D., Podgórski, K., Elmerick, D., (2001) The reliability of the written registry self-assessment examination for a student population. Abstract for American Association for Respiratory Care (AARC) 2001 International Congress in San Antonio, Texas, December 1-4, 2001, *Respiratory Care*, **46**, 1076.
7. LePage, R., Podgórski, K. (1994) A nonlinear solution of inverse problems. *Technical Report No. 435*, Center for Stochastic Processes, University of North Carolina.
8. Cambanis, S., Lawniczak, A., Podgórski, K., Weron, A. (1991) Ergodicity and Mixing of Symmetric Infinitely Divisible Processes. *Technical Report No. 346*, Center for Stochastic Processes, University of North Carolina, (Chapel Hill).

PRESENTATIONS AND INVITED TALKS

- July 2008** International Workshop on Applied Probability, Université de Technologie de Compiègne, France
Title: *Envelope crossing distributions for random fields*
- April 2008** Workshop on Spatio-Temporal Stochastic Models, Gothenburg-Varberg, Sweden
Title: *A class of non-Gaussian second order spatio-temporal models*
- February 2008** Statistics Seminar, University of Washington, Seattle
Title: *Envelope crossing distributions for random fields*
- February 2008** Statistics Seminar, University of Nevada, Reno
Title: *Envelope crossing distributions for Gaussian fields*
- January 2008** Probability and Statistics Seminar, Uppsala University
Title: *Negative Binomial Process – Genesis, Properties and Applications*
- January 2007** Invited talk at *Indiana Roundtable on Computational Proteomics*, Indianapolis
Title: *Alignment methods for proteomics spectra*
- November 2006** Seminar, Department of Statistics, Purdue University, West Lafayette
Title: *From Negative Binomial Levy Process to Fractional Laplace Motion*
- October 2006** Invited Talk at 1020th AMS Meeting; University of Cincinnati, Cincinnati, Ohio
Title: *Approximations of fractional Brownian motion and gamma process*
- June 2006** Invited Talk at Extremes in Action; Symposium in honor of Georg Lindgren, Lund University, Sweden
Title: *Lamperti transform of fractional Brownian motion*
- April 2006** Invited Talk at Probability Colloquium, University of Cincinnati
Title: *Genomics, microarray analysis and mathematical statistics*
- November 2005** Seminar, Department of Statistics, Purdue University, West Lafayette
Title: *Max-Log Monte Carlo Solution to the Inverse Problem*
- June 2005** Colloquium, Department of Mathematical Statistics, Chalmers University of Technology, Goteborg, Sweden
Title: *Monte Carlo Solution to the Inverse Problem*
- June 2005** 30th Conference on Stochastic Processes and Applications, Santa Barbara.
Title: *Negative Binomial Lévy Process and Geometric Self-similarity*
- February 2005** Seminar, Computer Vision Laboratory, University of Nevada, Reno
Title: *Monte Carlo Inverse – Nonlinear Solution to the Inverse Problem*
- October 2004** Colloquium, Department of Mathematics and Statistics, University of Nevada, Reno
Title: *Max-Log solution to inverse problems*
- February 2004** Colloquium, Department of Mathematics and Statistics, University of Nevada, Reno
Title: *Ocean Waves, Stock Prices and Heavy Tails: Some Statistical Aspects of Stochastic Modeling*

- August 2003** Joint Statistical Meetings, San Francisco, California
Title: *A log-Laplace growth rate model.*
- April 2003** Colloquium, Depart. of Statistics and Probability, Michigan State University, E. Lansing
Title: *Laplace Distributions*
- March 2003** Colloquium, Department of Mathematics and Statistics, Bowling Green State University, Ohio
Title: *Generalized Laplace Distributions - an alternative to heavy tails*
- February 2003** Colloquium, Department of Mathematics, San Francisco State University, California
Title: *From Banach's Theorem to Rice's Formula*
- January 2003** Colloquium, Depart. of Mathematical Sciences, Western Washington University, Bellingham
Title: *How to Model the Sea Surface - from Deterministic to Random Waves*
- June 2002** OMAE 2002, 21st International Conference on Offshore Mechanics and Arctic Engineering, Oslo, Norway,
Title: *Statistical properties of envelope field for Gaussian sea surface*
- January 2002** Presentation at Eli Lilly Corp. Workshop on Bootstrap Methods in Clinical Trials
Title: *Why to use bootstrap?*
- October 2001** Colloquium, Department of Mathematical Statistics, Lund University, Sweden
Title: *Asymmetric Laplace Laws*
- September 2001** Colloquium, Department of Mathematical Statistics, Chalmers University of Technology, Sweden
Title: *Laplace Distributions and their Generalizations*
- October 2000** Colloquium, Department of Mathematics, University of Nevada, Reno
Title: *Banach Theorem, Area and Coarea Theorem, Rice Formula - a View toward Applications.*
- August 2000** Stat 2000, International Conference on Mathematical Statistics, Szklarska Poreba, Poland,
Title: *The Laplace distribution and generalizations. A revisit with new applications*
- June 2000** Applied Probability Workshop, University of Lund, Sweden, (invited lecture)
Title: *Laplace motion and related stochastic processes*
- May 1999** the 9th International Offshore and Polar Engineering Conference, (invited talk), Brest, France.
Title: *How big are the big waves?*
- November 1998** Colloquium, Depart. of Statistics and Probability, Michigan State University, E. Lansing,
Title: *How big are the big waves?*
- October 1998** Colloquium, Department of Mathematics, University of Tennessee, Chattanooga,
Title: *Velocities for random sea surfaces*
- September 1998** Statistics Seminar, Department of Mathematics, Indiana University, Bloomington,
Title: *Generalized Rice's formula for random fields*
- July 1998** Workshop, Center for the Mathematical Sciences, University of Wisconsin, Madison,
Title: *Computation of long-run distributions for stochastic fields*
- April 1998** Monthly Meeting of Local Chapter of American Statistical Association, Indianapolis
Title: *Stochastic modeling of random seas*
- March 1998** Colloquium, Department of Statistics, University of North Carolina at Chapel Hill,
Title: *Long-run distributions for Gaussian seas*
- November 1997** Mathematics Colloquium, Rose-Hulman Institute of Technology, Terre Haute, Indiana,
Title: *Exact distributions for waves in Gaussian sea*
- July 1997** the 18th IFIP TC7 Conference on System Modelling and Optimization, (invited talk – Session on Stochastic Analysis, Processes and Systems), Detroit, Michigan.
Title: *Stochastic modeling of vertical bending moment in a ship.*
- June 1997** Colloquium, Department of Mathematical Statistics, University of Lund, Sweden
Title: *Resampling permutations in linear regression*
- October 1996** 50th Anniversary Commemorative Conference, Department of Statistics, University of North Carolina, Chapel Hill
Title: *On some classes of operator stable laws.*
- October 1996** 915th AMS Meeting, Chattanooga, Tennessee
Title: *Geometric stable laws through series representations.*

- August 1996** 4th World Congress of the Bernoulli Society, Vienna, Austria
Title: *On estimation for a binary channel.*
- August 1996** Stable Processes and other Heavy Tailed Models for Highly Volatile Phenomena, Wrocław, Poland
Title: *Geometric stable processes and their applications.*
- May 1996** Colloquium, Department of Mathematics, University of Tennessee, Chattanooga,
Title: *On Levy-Kchintchine representation of geometric stable distributions*
- February 1996** Colloquium, Department of Mathematics, University of Tennessee, Chattanooga,
Title: *Estimating distortion in a Bernoulli channel*
- March 1995** Statistics and Probability Seminar, University of Cincinnati, Ohio,
Title: *Strong Invariance Principle for Stable Laws*
- March 1995** Mathematics Colloquium, GM College, Flint, Michigan,
Title: *Resampling for Long-Tailed Errors*
- February 1995** Colloquium, Department of Mathematics, University of Tennessee, Chattanooga,
Title: *Bootstrap Methods in Regression Context*
- November 1994** Colloquium, Department of Statistics, University of Illinois, Urbana/Champaign,
Title: *Bootstrap for Long-Tailed Distributions*
- October 1994** Colloquium, Depart. of Statistics and Probability, Michigan State University, East Lansing,
Title: *Estimation for Binary Symmetric Channel*
- September 1994** Colloquium, Department of Statistics, Purdue University, West Lafayette, Indiana,
Title: *Resampling Permutation in Linear Regression*
- June 1994** 3rd World Congress of the Bernoulli Society and Annual Meeting of IMS, Chapel Hill, North Carolina.
Title: *Almost sure and conditional invariance principle in non-Gaussian stable case.*
- March 1993** Spring Meetings of the Biometric Society ENAR, Philadelphia, Pennsylvania.
Title: *A reliable interactive resampling for multiple linear regression.*
- August 1992** Joint Statistical Meetings, Boston, Massachusetts
Title: *Bootstrap for time series analysis.*
- March 1992** 24-th Symposium on the Interface, College Station, Texas.
Title: *Approximately exact methods in regression.* (invited paper with R. LePage)
- May 1991** VI-th National Conference on Probability Theory, Warsaw, Poland.
Title: *Ergodic properties of infinitely divisible processes.*
- June 1990** Workshop on Stable Processes, Stefan Banach International Mathematical Center at Warsaw, Poland.
Title: *Ergodicity, weak mixing and mixing of stable processes.*
- June 1987** Probability Theory on Vector Spaces, IV-th International Conference in Łańcut, Poland.
Title: *On existence of ergodic Hilbert transform.*

FUNDING AND GRANT APPLICATIONS

- April 2005** IUPUI interdisciplinary grant proposal: *Integration Disparate and Multivariate Data for Biomarker Discovery*, by Podgórski, K. and Ragg, S., NIH Initiatives Seed Grant, awarded amount: \$ 90000.
- October 2004** interdisciplinary grant proposal: *Fractional Laplace Motion: A Stochastic Process that May Unite Turbulence, Subsurface Heterogeneity and Other Irregular Phenomena*, by Kozubowski, T.J., Miller, R.S, Molls, F.C., Podgórski, K., submitted to National Science Foundation, pending.
- Spring 2002** Purdue Research Foundation International Travel Grant to attend OMAE 2002, Oslo, Norway, awarded amount: \$ 1000.
- Spring 2002** IU Overseas Conference Fund to attend OMAE 2002, Oslo, Norway, awarded amount: \$ 500.
- Spring 2001** IUPUI Study in a Second Discipline Grant, *Stochastic Modeling and Statistical Methods for Nonlinear Random Waves*, awarded amount: \$ 6000.
- Spring 2001** IUPUI Interdisciplinary Collaboration Grant: *Statistical Reliability of the Respiratory Therapy Credentialing Examinations* Cullen, D., Podgórski, K., Van Scoder, L., awarded amount: \$ 10000.
- Summer 2000** Purdue Research Foundation Summer Grant: *Laplace Distribution and its Generalizations*, awarded amount: \$ 6000.

Spring 2000 Purdue Research Foundation International Travel Grant to attend Stat 2000, Szklarska Poreba, Poland, awarded amount: \$ 1000.

Spring 2000 IUPUI Incentive Fund for Curricular Innovation and Improvement: *Statistical Consulting Laboratory* Ernst, M., Podgórski, K., awarded amount: \$ 20000.

Spring 1999 IU Overseas Conference Fund Grant, to attend ISOPE 1999, Brest, France, awarded amount: \$ 1800.

Summer 1999 IUPUI Proposal Development/Grant Writing Fellowship, *Statistical Distributions for Non-linear Sea Surface*, awarded amount: \$ 6000.

Summer 1998 Purdue Research Foundation Summer Faculty Grant, *Long Run Distributions for Irregular Sea Surface*, awarded amount: \$ 5000.

Summer 1998 Summer Internship in Probability and Stochastic Processes, University of Wisconsin–Madison, awarded amount: \$ 6800.

Spring 1996 Purdue Research Foundation International Travel Grant, to attend the 4th World Congress of Bernoulli Society, Vienna, Austria, awarded amount: \$1100.

NON-PROFESSIONAL SKILLS, INTERESTS AND ACTIVITIES

- can write and speak fluently in English and Polish, understand spoken and written Russian,
- interested in philosophy of science, nature of mind, literature, and music,
- sport activities: tennis, volleyball and skiing.