

Short Curriculum Vitae

Name: Wen-Chi Kuo

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Scopus ID: 7202113087 h-index 6

Google Scholar: h-index 9; i10-index 9; total citations 285.

Academic Qualifications

1. University of the Witwatersrand, Johannesburg, Doctor of Philosophy, *Stochastic processes in Vector Lattices*, (2004-2006)
2. University of the Witwatersrand, Johannesburg, Master of Science (with distinction), *Stochastic processes on Riesz spaces*, (2003 - 2004)
3. University of the Witwatersrand, Johannesburg, Bachelor of Science, Honours, (2002-2002) Majors: Mathematics.
4. University of the Witwatersrand, Johannesburg, Bachelor of Science, (1997-2001) Majors: Mathematics and Actuarial Science.
5. Northcliff High School, Johannesburg, Matric (GED) with distinction, (1996).

Academic Awards

1. South African Council for Science and Technology medal for best M.Sc. 2004
2. Certificate of first class, Mathematics III
3. German Embassy prize Certificate of first class, Intermediate German Certificate of first class, Basic German
4. The South African Council for English Education Recognition for Special Achievement 1996
5. Sasol Mini Mathematics Olympiad Outstanding Achievement 1996
6. Old Mutual Mathematics Olympiad Qualified for second round 1996
7. Old Mutual Mathematics Olympiad Qualified for second round 1995
8. Mathematics Competition for the University of Pretoria Top 20 1995
9. Junior Achievement Merit Certificate for Outstanding Contribution 1995
10. Mathematics Competition for the University of Pretoria Top 20 1994

Academic and Professional Experience

1. **Name of Institution:** School of Mathematics, University of the Witwatersrand

- Position:** Senior Lecturer (July 2018 - present)
2. **Name of Institution:** School of Mathematics, University of the Witwatersrand
Position: Lecturer (June 2015 – June 2018)
Seconded to School of Computational and Applied Mathematics, June 2015 – December 2016, returned to School of Mathematics in January 2017.
 3. **Name of Institution:** School of Mathematics, University of the Witwatersrand
Position: Sessional Lecturer (August 2014 – December 2014, March 2015 – May 2015)
 4. **Name of Institution:** School of Computational and Applied Mathematics, University of the Witwatersrand
Position: NRF Postdoctoral fellow (October 2012 – September 2014)
 5. **Name of Institution:** School of Computational and Applied Mathematics, University of the Witwatersrand
Position: Research Associate (January 2012 – August 2012)
 6. **Name of Institution:** Standard Bank of South Africa
Position: Manager – Score Card Development (July 2010 – October 2011)
 7. **Name of Institution:** Transunion ADS
Position: Credit Risk Analyst (February 2006 – June 2010)
 8. **Name of Institution:** Transunion
Position: Graduate Trainee (January 2005 – December 2005)
 9. **Name of Institution:** University of the Witwatersrand, School of Mathematics
Position: Teaching Assistant (January 2004 - December 2004)
 10. **Name of Institution:** University of the Witwatersrand, School of Mathematics
Position: Tutor (January 2003-December 2003)
 11. **Name of Institution:** University of the Witwatersrand, School of Mathematics
Position: Tutor (January 2002-December 2002)

NRF

1. Rated NRF C1: valid 2020-2025
2. NRF Postdoctoral Fellow: October 2012 - September 2014
3. NRF Competitive Support for Unrated Researchers: 2017 – 2019.

Postgraduate Supervision

1. J. Homann: 2015 – 2021. PhD
2. N. Musara: 2017 – 2021: Msc
3. D. Rodda: 2015 – 2019. PhD
4. M. Rogans: 2015 – 2018. PhD

Research Publications

1. J.M. Homann, W.-C. Kuo, B.A. Watson, *Ergodicity in Riesz spaces*. pp. 193-201. In: Kikianty E., Mabula M., Messerschmidt M., van der Walt J.H., Wortel M. (eds) Positivity and its Applications. Tends in Mathematics. Birkhauser, Cham. 2021.
2. J.M. Homann, W.-C. Kuo, B.A. Watson, *On the Koopman-von Neumann convergence condition of Cesaro means in Riesz spaces*. Proceedings of the American Mathematical Society, Series B, Volume 8, Pages 75–85 (February 10, 2021).
3. W.-C. Kuo, D. Rodda, B.A. Watson, *The Hájek-Rényi-Chow maximal inequality and a strong law of large numbers in Riesz spaces*. Journal of Mathematical Analysis and Applications, 481 (2020), 123462.

4. W.-C. Kuo, D. Rodda, B.A. Watson, *Strong sequential completeness of the natural domain of a conditional expectation operator in Riesz spaces*. Proceedings of the American Mathematical Society, 147 (2019), 1597-1603.
5. W.-C. Kuo, M.J. Rogans, B.A. Watson, *Near Epoch dependence in Riesz spaces*. [Journal of Mathematical Analysis and Applications, 467 \(2018\), 462-479.](#)
6. W.-C. Kuo, M. Rogans, B.A. Watson, *Mixing processes in Riesz spaces*. Journal of Mathematical Analysis and Applications, 456 (2017), 992-1004.
7. W.-C. Kuo, J. Vardy, B.A. Watson, *Bernoulli Processes in Riesz spaces*. Operator Theory: Advances and Applications, Order structure and Applications, Springer Verlag, 263-274, 2016.
8. Y. Azouzi, W.-C. Kuo, K. Ramdane, B.A. Watson, *Convergence in Riesz spaces with conditional expectation operators*. Positivity, (19) 2015, 647-657.
9. W.-C. Kuo, J.J. Vardy, B.A. Watson, *Mixingales on Riesz Spaces*. Journal of Mathematical Analysis and Applications, 402 (2013), 731-738.
10. W.-C. Kuo, C.C.A. Labuschagne, B.A. Watson, *Amarts on Riesz Spaces*, Acta Mathematica Sinica (English Series), 24 (2008), 329-342.
11. W.-C. Kuo, C.C.A. Labuschagne, B.A. Watson, *Ergodic Theory and the Law of Large Numbers on Riesz Spaces*, J. Mathematical Analysis and Applications, 325 (2007), 422-437.
12. S. Cullender, W.-C. Kuo, C.C.A. Labuschagne, B.A. Watson, *Measure-free martingales with applications to classical martingales*, [in Soft Methods for Integrated Uncertainty Modelling, Springer, Berlin, 2006. Advances in Soft Computing, Springer Verlag, 2006, pp. 121-128.](#)
13. W.-C. Kuo, C.C.A. Labuschagne, B.A. Watson, *Convergence of Riesz Space Martingales*, Indagationes Mathematicae, 17 (2006), 271-283.
14. W.-C. Kuo, C.C.A. Labuschagne, B.A. Watson, *A Zero-One Law for Riesz Space and Fuzzy Processes*, IFSA2005, Beijing, Springer Verlag, 2005, pp. 393-397.
15. W.-C. Kuo, C.C.A. Labuschagne, B.A. Watson, *Conditional expectation operators on Riesz spaces*. Journal of Mathematical Analysis and Applications, 303 (2005), 509-521.
16. W.-C. Kuo, C.C.A. Labuschagne, B.A. Watson, *Riesz space and fuzzy upcrossing theorems*, Proceedings of SMPS2004, Springer Verlag, 2004, pp. 101-108.
17. W.-C. Kuo, C.C.A. Labuschagne, B.A. Watson, *Discrete-time stochastic processes on Riesz spaces*, Indagationes Mathematicae, N.S., 15 (2004) 435-451.

Conference Presentations

1. Invited speaker at *Recent Advances in Banach Lattices Workshop* at CMO-BIRS 2018, Oaxaca, Mexico, 2018.
2. Invited speaker at *Vector lattices and applications in honour of Professor Koos Grobler's 75th Birthday*, Johannesburg, South Africa, 2018.
3. *Mixing Processes in Riesz spaces*, SWOT2016, Krakow, Poland, 2016.
4. *Conditional expectations in abstract L^2 spaces*, IWOTA2014, Amsterdam, The Netherlands, 2014.
5. *Mixingales on Riesz spaces*, IWOTA2012, Sydney, Australia, 2012.
6. *A Zero-One law for Riesz Space and Fuzzy Processes*, IFSA 2005, Beijing, 2005.
7. *Riesz space and fuzzy upcrossing theorems*, Soft Methods in Probability and Statistics, Spain, 2004.
8. *Discrete time stochastic processes on Riesz spaces*, South African Mathematical Society 46th Annual Congress, South Africa, 2003.