CURRICULUM VITAE

First Name and Family Name: Răzvan-Cornel Sfetcu

E-mail address: razvancornelsfetcu@gmail.com

Education:

PhD Degree: University of Bucharest, Faculty of Mathematics and Computer Science (2017)

Master's degree: University of Bucharest, Faculty of Mathematics and Computer Science (2013). I graduated first with average 10.

Bachelor's degree: University of Bucharest, Faculty of Mathematics and Computer Science (2011). I graduated first with average 10.

Research Areas: Statistics, Information Theory, Probabilities, Operational Research, Measure Theory, Functional Analysis

Positions: institutions, years

Lecturer - University of Bucharest, Faculty of Mathematics and Computer Science, 2020-present

Assistant Professor - University of Bucharest, Faculty of Mathematics and Computer Science, 2017–2020

Associated Assistant Professor - University of Bucharest, Faculty of Mathematics and Computer Science, 2013–2017

Awards, Scholarships:

The prize of the Romanian Society of Probability and Statistics (2023)

PhD scholarship (2013–2016)

Scientific Performance Scholarship (2011–2012)

Merit scholarship (2008–2013)

Foreign Languages: english, french

PC skills: R, Matlab, C++, Latex, Microsoft Office

Driving license: B

Other Activities:

Member of the Romanian Society of Probability and Statistics (2015-present)

Member of the examination committee for obtaining the 2nd degree by Mathematics teachers in secondary and high school education (2020-2024)

President of the examination committee for obtaining the 2nd degree by Mathematics teachers in secondary and high school education (2024)

Vice Dean - University of Bucharest, Faculty of Mathematics and Computer Science, 2024-present

Reviewer for: Physica A: Statistical Mechanics and Its Applications, Applied Sciences, Electronics, Entropy, Fractal and Fractional, Mathematics, Sustainability, Symmetry

Talks:

1. *Generalizations of Tsallis entropy*, Statistical Modeling with Applications, Bucureşti, September 29–30, 2023

2. *Ordering Awad-Tsallis quantile entropy and applications to some stochastic models*, The 23rd European Young Statisticians Meeting (EYSM), Ljubljana (in virtual mode), September 11–15, 2023

3. *Copula functions and inaccuracy measures*, The 24th Conference of the Romanian Society of Probability and Statistics, Bucureşti, April 21–22, 2023

4. *Order results for Awad-Varma entropy*, The 23rd Conference of the Romanian Society of Probability and Statistics, Bucureşti, November 18–19, 2022

5. *Divergences between probability measures*, Statistical Modeling with Applications, Bucureşti, October 14–15, 2022

6. *General results concerning Köthe-Bochner spaces*, The 9th Workshop for Young Researchers in Mathematics, Bucureşti, June 3–4, 2019

7. *Best approximation results and some perspectives to information divergences*, The 22nd Conference of the Romanian Society of Probability and Statistics, Bucureşti, May 10–11, 2019

8. *Best approximation of convex sets*, The 21st Conference of the Romanian Society of Probability and Statistics, Bucureşti, April 13–14, 2018

9. *Discrete divergences of orthogonal polynomials*, The 20th Conference of the Romanian Society of Probability and Statistics, Braşov, April 28–29, 2017

10. *Convergence of Tsallis and Rényi divergences*, The 19th Conference of the Romanian Society of Probability and Statistics, Bucureşti, May 27–28, 2016

11. *Approximate computations in Köthe-Bochner spaces*, The 12th Balkan Conference on Operational Research (BALCOR 2015), Constanţa, September 9–13, 2015

12. *Köthe-Bochner spaces that are Banach algebras with unit*, The 18th Conference of the Romanian Society of Probability and Statistics, Bucureşti, May 8, 2015

13. *Köthe-Bochner spaces and Schauder bases. Optimal numerical treatment*, The 17th Conference of the Romanian Society of Probability and Statistics, Bucureşti, April 25–26, 2014

14. *Approximation of Köthe-Bochner spaces with subspaces of functions having finite dimensional values*, The 9th International Conference on Applied Mathematics (ICAM9), Baia Mare, September 25–28, 2013

Publications:

1. **R.-C. Sfetcu**, *Ordering Awad-Tsallis quantile entropy and applications to some stochastic models*, accepted in Proceedings of The 23rd European Young Statisticians Meeting (EYSM)

2. **R.-C. Sfetcu**, S.-C. Sfetcu, V. Preda, *Discrete entropies of Chebyshev polynomials*, Mathematics 12 (2024), 1046

3. **R.-C. Sfetcu**, V. Preda, *Order properties concerning Tsallis residual entropy*, Mathematics 12 (2024), 417

4. **R.-C. Sfetcu**, V. Preda, *Fractal divergences of generalized Jacobi polynomials*, Mathematics 11 (2023), 3500

5. **R.-C. Sfetcu**, V. Preda, *Some properties of fractal Tsallis entropy*, Fractal and Fractional 7 (2023), 375

6. V. Preda, **R.-C. Sfetcu**, S.-C. Sfetcu, *Some generalizations concerning inaccuracy measures*, Results in Mathematics 78 (2023), 195

7. I. Chiţescu, L. Ioana, R. Miculescu, L. Niţă, **R.-C. Sfetcu**, *Invariant (fractal) vector measures as fixed points of Markov-type operators*, Bull. Braz. Math. Soc. New Series 54 (2023), 8.

8. **R.-C. Sfetcu**, S.-C. Sfetcu, V. Preda, *Some properties of weighted Tsallis and Kaniadakis divergences*, Entropy 24 (2022), 1616

9. **R.-C. Sfetcu**, S.-C. Sfetcu, V. Preda, *On Tsallis and Kaniadakis divergences*, Math. Phys. Anal. Geom. 25 (2022), 7.

10. **R.-C. Sfetcu**, S.-C. Sfetcu, V. Preda, *Ordering Awad–Varma entropy and applications to some stochastic models*, Mathematics 9 (2021), 280

11. I. Chiţescu, **R.-C. Sfetcu**, O. Cojocaru, *Dual of Köthe-Bochner spaces and Radon-Nikodým property*, Rocky Mountain J. Math. 51 (2021), 109–124

12. I. Chiţescu, V. Preda, **R.-C. Sfetcu**, *Polya-type best approximation of convex sets*, J. Nonlinear Conv. Anal. 21 (2020), 575–586

13. I. Chiţescu, **R.-C. Sfetcu**, *Linear and continuous operators on Köthe-Bochner spaces*, Ann. Acad. Sci. Fenn. Math. 44 (2019), 945–964

14. I. Chiţescu, **R.-C. Sfetcu**, O. Cojocaru, *Köthe-Bochner spaces: General properties*, Bull. Braz. Math. Soc. New Series, 50 (2019), 323–345

15. I. Chiţescu, **R.-C. Sfetcu**, O. Cojocaru, *Köthe-Bochner spaces that are Banach algebras with unit*, Acta Universitatis Apulensis, 56 (2018), 81–89

16. I. Chiţescu, **R.-C. Sfetcu**, *Best approximation in Köthe-Bochner spaces*, Acta Appl. Math. 155 (2018), 1–8

17. I. Chiţescu, **R.-C. Sfetcu**, O. Cojocaru, *Köthe-Bochner spaces that are Hilbert spaces*, Carpathian J. Math. 33 (2017), 153–160

18. **R.-C. Sfetcu**, *Tsallis and Rényi divergences of generalized Jacobi polynomials*, Physica A 460 (2016), 131–138

19. I. Chiţescu, **R.-C. Sfetcu**, O. Cojocaru, *Approximation of Köthe-Bochner spaces $L_\rho(X)$ in case X has a Schauder basis*, Romanian Journal of Information Science and Technology 18 (2015), 69–78

20. D. Dumitru, L. Ioana, **R.-C. Sfetcu**, F. Strobin, *Topological version of generalized (infinite) iterated function systems*, Chaos, Solitons & Fractals 71 (2015), 78–90