

Luis Alberto Escudero

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Education

University of Vienna

Doctoral Programme in Natural Sciences (Mathematics)

Vienna, Austria

September 2018-Present

- Under supervision of José Luis Romero.

University of Buenos Aires (UBA)

Licenciado en Ciencias Matemáticas

Buenos Aires, Argentina

Graduated in July 2018

- Equivalent to an MSc. in Pure Mathematics.
- Average grade: 9,21 / 10. No failed exams.

Note: The Argentinian grading system assigns marks from 1 to 10, where "10" is the best grade and "1" is the worst one.

Academic positions

Acoustic Research Institute - Austrian Academy of Sciences

PhD student

Vienna, Austria

September 2018 - April 2022

Department of Mathematics - FCEyN - UBA

Undergraduate Teaching Assistant

Buenos Aires, Argentina

March 2017 - July 2018

Publications

L. A. Escudero, N. Feldheim, G. Koliander, and J. L. Romero, "Efficient computation of the zeros of the Bargmann transform under additive white noise," *Foundations of Computational Mathematics*, pp. 1–34

L. A. Escudero, A. Haimi, and J. L. Romero, "Multiple sampling and interpolation in weighted Fock spaces of entire functions," *Complex Anal. Oper. Theory*, vol. 15, no. 2, ISSN: 1661-8254. DOI: 10.1007/s11785-020-01065-4

Research interests

- Time-Frequency Analysis, Fock Spaces, Harmonic Analysis.
- Point processes, Signal Processing.

Conference talks

Multiple sampling and interpolation in weighted Fock spaces

Annual meeting of the German and Austrian Mathematical Societies (DMV-ÖMG)

Passau, Germany

29.09.2021

Hearing the shape of a drum

DAGA 2021 - 47th Annual meeting in Acoustics

Vienna, Austria

16.08.2021

Seminar talks (as invited speaker)

Multiple sampling and interpolation in weighted Fock spaces

Talk at the Harmonic Analysis and Fractal Geometry seminar

Buenos Aires, Argentina

(Faculty of Exact and Natural Sciences - University of Buenos Aires)

13.10.2020

Seminar talks

Denoising and block thresholding <i>Talk at the NuHAG seminar - University of Vienna</i>	Vienna, Austria 21.10.2020
On interpolation in Hilbert spaces of analytic functions <i>Talk at the NuHAG seminar - University of Vienna</i>	Vienna, Austria 16.05.2019
Hearing the shape of a triangle <i>Talk at the NuHAG seminar - University of Vienna</i>	Vienna, Austria 05.12.2018

Attendance to Conferences and Workshops

Operator related Function Theory <i>Organised at the Erwin Schrödinger Institute (ESI)</i>	Vienna, Austria April 2019
Joint Meeting RSME - UMA 2017 <i>Organised by Royal Spanish Mathematical Society and UMA</i>	Buenos Aires, Argentina December 2017
CIMPA2017 Research School - IX Escuela SANTALÓ <i>Harmonic Analysis, Geometric Measure Theory and Applications</i>	Buenos Aires, Argentina August 2017
Workshop on Mathematical Applications to Music	Buenos Aires, Argentina November 2016
Annual meeting of the Argentine Mathematical Union (UMA)	Santa Fe, Argentina September 2015
Annual meeting of the Argentine Mathematical Union (UMA)	San Luis, Argentina September 2014

Work experience (Non-academic)

Independent contractor <i>Consultant</i>	2007 – 2018
Consultancy on design and deployment of IP networks based on Cisco Systems infrastructure. Trainer for several ISPs and other institutions on the Microsoft MCSA and Cisco's CCNA/CCNP curricula.	

Other skills

Languages.....

Spanish: native speaker

English: C1 Advanced (formerly CAE)

Certified by Cambridge English

German: A2

Certified by Österreichische Integrationsfonds (ÖIF)

Knowledge of programming languages and scientific computing tools.....

- C++
- Haskell
- LaTeX
- MATLAB/Octave
- Python (Libraries: Numpy and Sympy)
- PHP

- SQL
- Wolfram Mathematica