Jesús Aponte

Yachay Tech University
School of Mathematical Sciences
and Information Technology
Urcuquí, Ecuador

E-mail: japonte@yachaytech.edu.ec
Website: https://www.linkedin.com/in/jesús-alejandro-aponte-gonzález-14722836/
Phone: +5930984052014

SUMMARY

I have experience as a teacher and as a researcher in mathematics. I have taught various disciplines for engineering, basic sciences and high school. I am a Ph.D. in Mathematical Sciences from the Federal University of Rio de Janeiro in Brazil and a Bachelor of Mathematics from the University of Zulia in Venezuela. I'm currently a lecturer at Yachay Tech University. My main interest in the field of research are Dynamical Systems and their Applications.

EDUCATION

Ph.D. in Mathematical Sciences — Mar 2013 — Aug 2017

Federal University of Rio de Janeiro

- Thesis: Shadowable, topologically stable and distal points for flows;
- Advisor: Carlos Arnoldo Morales Rojas, Ph.D. IMPA;
- Grantee of: Coordenação de Aperfeiçoamento de Pessoal de Nivel Superior, CAPES, Brazil;
- GPA: 2,78 / 3;
- Concentration: Dynamical Systems;
- Main research area: Hyperbolic dynamics, Topological Dynamics and Ergodic Theory.

Bachelor of Mathematics — Mar 2004 — Oct 2010

University of Zulia

- Bachelor thesis: The Picard's Theorem in Elementary Complex Analysis. Thesis with outstanding mention;
- GPA: 18,9 / 20;
- Advisor: Jaime Ricardo Bravo Puebla, Ph.D., UC Berkeley;
- Graduation Rank: 1st;
- Grantee of: Fundación Gran Mariscal de Ayacuho, FGMA, Venezuela.

WORK EXPERIENCE

Yachay Tech University — Nov 2017 — Present

Lecturer 3

Duties involve teaching Calculus, Precalculus and research work in Dynamical Systems.

Federal University of Rio de Janeiro — Mar 2015 — Dec 2015

Teaching Internship

Doctoral teaching practices. Duties involved teaching the Integral Calculus course from the Department of Mathematics.

University Simón Bolívar — Sept 2010 — Mar 2013

Instructor

Duties involved teaching courses in Calculus of One and Several Variables, Linear Algebra, Differential Equations, Precalculus and Euclidean Geometry.

University of Zulia Mar 2009 — Jul 2010

Auxiliary Teacher

Duties involved teaching Calculus courses of One Variable, Linear Algebra and Euclidean Geometry. I also participated in the edition and development of a set of notes in Complex Analysis of the Department of Mathematics.

University of Zulia Jan 2006 — Dec 2007

Teaching Assistant

I was a Teaching Assistant in Abstract and Linear Algebra.

REFERENCES

- Dr. Carlos Arnoldo Morales Rojas, Federal University of Rio de Janeiro, morales@impa.br
- Dr. Bernardo Melo De Carvalho, Federal University of Minas Gerais, bmcarvalho@mat.ufmg.br

PUBLICATIONS

1. Aponte, J., Villavicencio, H. *Shadowable points for flows,* Journal of Dynamical and Control Systems, http://dx.doi.org/10.1007/s10883-017-9381-8, (2017)

LANGUAGES

1. *Spanish,* language proficiency: Native;
2. *Portuguese*, language proficiency: Advanced;
3. *English*, language proficiency: Advanced;
4. *French*, language proficiency: Basic.

POSTERS AND SEMINARS

1. *Shadowable points for flows,* poster presentation, School of Hyperbolic Dynamics, Scuola Normale Superiore, Pisa, Italy, 2017;
2. *Shadowable points for flows*, Dynamical Systems Seminar, Federal University of Rio de Janeiro, Brazil, 2017;
3. *F-distal flows,* Dynamical Systems Seminar, Federal University of Rio de Janeiro, Brazil, 2017;
4. *The Geometric Lorenz Attractor is K-expansive*, Dynamical Systems Seminar, Federal University of Rio de Janeiro, Brazil, 2016;
5. *The Geometric Lorenz Attractor is Singular Hyperbolic*, Dynamical Systems Seminar, Federal University of Rio de Janeiro, Brazil, 2016;
6. *The Sard's Theorem*, Students Seminar, Federal University of Rio de Janeiro, Brazil, 2015.

SCIENCE EVENTS

1. *31 Colóquio Brasileiro de Matemática*, Institute of Pure and Applied Mathematics, Rio de Janeiro, Brazil, 2017;
2. *School of Hyperbolic Dynamics*, Scuola Normale Superiore, Pisa, Italia, 2017;
3. *Cimpa Research School on Geometrics Methods in Classical Dynamical Systems*, Santiago de Chile University, Chile, 2014;
4. *EMALCA da Amazônia*, Escola de Matemática da América Latina e do Caribe, Federal University of the Amazon, Manaus, Brazil, 2009.

MISCELLANEOUS SKILLS

Rudimentary knowledge of computer science that I have acquired as an intelectual hobby in my spare time. This includes Structure and Interpretation of Computer Programs, Algorithms and Data Structures, Programming Paradigms, Computer Systems and Software Engineering. The languages I have studied include, Scheme, Python, C, Java, Ruby and Javascript. I also have elementary skills in Linux Systems Administration.