

Curriculum Vitae
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AWARDS AND MERITS	GEM Fellowship Pre-Selected Scholar	December 2022
	Hispanic Scholarship Fund Scholar	June 2022–present
	National Math Alliance Predoctoral Scholar	November 2021–present
	UPRM Faculty of Arts and Sciences Honor Roll	August 2018–present
	National Trig-Star Math Competition, 16th Overall Finalist	June 2017
	Eagle Scout Rank, with 2 Silver Palms	May 2017

PAPERS, ARTICLES AND CONTRIBUTIONS	[1] <u>E.J. Pabon-Cancel</u> and R.M. Ortiz-Albino. Properties of $\tau_{(n)}$ -primes. (In progress).	
	[2] A. Allen, <u>E.J. Pabon-Cancel</u> , L. Polanco and F. Piñero-Gonzalez. Improving Bounds of Hermitian-Lifted Codes. (Editing for submission).	
	[3] D. Chen, P.E. Harris, J. Carlos Martinez Mori, <u>E.J. Pabon-Cancel</u> and G. Sargent. Permutation Invariant Parking Assortments. (Submitted). arxiv: https://arxiv.org/abs/2211.01063 .	
	[4] P.E. Harris, Z. Markman, L. Martinez, A. Mock, <u>E.J. Pabon-Cancel</u> , A. Verga, and S. Wang. A how to guide to a one-hour workshop on mentoring. (Submitted)	
	[5] I. Byrne, N. Dodson, R. Lynch, <u>E.J. Pabon-Cancel</u> , F. Piñero-Gonzalez. Improving the Minimum Distance Bound of Trace Goppa Codes. (Submitted). arxiv: https://arxiv.org/abs/2201.03741 .	

PRESENTATIONS	1. AAAS Emerging Researchers National Conference in STEM	Washington, D.C.
	<i>Permutation Invariant Parking Functions with cars of assorted lengths Poster</i>	February 2023
	2. Joint Mathematics Meetings 2023	Boston, MA
	<i>Permutation Invariant Parking Functions Poster and Presentation</i>	January 2023
	3. SACNAS NDiSTEM Conference	San Juan, PR
	<i>The Study of $\tau_{(n)}$-primes Poster</i>	October 2022
	4. Gulf Coast Undergraduate Research Symposium	Houston, TX
	<i>Properties of $\tau_{(n)}$-primes Presentation</i>	October 2022
	5. Summer@ICERM 2022: Computational Combinatorics	Providence, RI
	<i>On Permutation-Invariant Parking Sequences Presentation</i>	August 2022
	6. 2022 JTM-Puerto Rico Interdisciplinary Science Meeting	Humacao, PR
	<i>The Study of $\tau_{(n)}$-primes Presentation</i>	April 2022
	7. Joint Mathematics Meetings 2022	Virtual Presentation
	<i>Improving Bounds of Hermitian-Lifted Codes Poster</i>	April 2022
	8. 37th Interdisciplinary Seminar of Research in Math	Virtual Presentation
	<i>Improving Bounds of Hermitian-Lifted Codes Presentation</i>	February 2022
	<i>The Study of $\tau_{(n)}$-primes Poster</i>	
	9. 2021 Math REU Conference @ Clemson University	Virtual Presentation
	<i>Improved Hermitian-Lifted Codes Presentation</i>	July 2021
	10. 2021 JTM-Puerto Rico Interdisciplinary Science Meeting	Virtual Presentation
	<i>The Study of $\tau_{(n)}$-atoms Presentation</i>	April 2021
	11. 35th Interdisciplinary Seminar of Research in Math	Cayey, PR
	<i>The Study of $\tau_{(n)}$-atoms Poster</i>	March 2020

CONFERENCES

1. 38th Interuniversity Mathematical Sciences Research Seminar 25-26 February, 2023
University of Puerto Rico, Mayagüez Campus, Mayagüez, Puerto Rico
2. AAAS Emerging Researchers National Conference in STEM 9-11 February, 2023
Omni Shoreham Hotel, Washington, District of Columbia
3. Joint Mathematics Meetings 2023 4-7 January, 2023
John B. Hynes Veterans Memorial Convention Center, Boston, Massachusetts
4. 2022 Field of Dreams Conference 4-6 November, 2022
The University of Minnesota-Twin Cities, Minneapolis, Minnesota
5. SACNAS National Diversity in STEM Conference 27-29 October, 2022
Pedro Roselló Convention Center, San Juan, Puerto Rico
6. Gulf Coast Undergraduate Research Symposium 8-9 October, 2022
Rice University, Houston, Texas
7. 2022 Junior Technical Meeting - PR Interdisciplinary Scientific Meeting 9 April, 2022
University of Puerto Rico at Humacao, Humacao, Puerto Rico
8. Joint Mathematics Meetings 2022 6-9 April, 2022
Zoom Conference
9. 37th Interuniversity Mathematical Sciences Research Seminar 25-26 February, 2022
Zoom Conference, sponsored by University of Puerto Rico, Mayagüez Campus
10. 2021 Math REU Conference @ Clemson University 19 July, 2021
*Zoom Conference. Participating Institutions:
Clemson University, East Tennessee State University, North Carolina A&T, Elon University*
11. 2021 Junior Technical Meeting - PR Interdisciplinary Scientific Meeting 23-24 April, 2021
Virtual Conference, sponsored by Puerto Rico Louis Stokes Alliance for Minority Participation
12. 35th Interuniversity Mathematical Sciences Research Seminar 6-7 March, 2020
University of Puerto Rico at Cayey, Cayey, Puerto Rico

WORKSHOPS

AND

MINI-COURSES

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- Preliminary Arizona Winter School 2022: Heights and Model Theory** **Virtual Course**
Topics: Heights in Diophantine geometry October 2022–November 2022
Organizers: Southwest Center for Arithmetic Geometry, University of Arizona
- MSRI Modern Math Workshop 2022** **San Juan, PR**
Topics: Mathematical Modeling and Data Science October 2022
Organizers: Hélene Barcelo (MSRI), Christian Ratsch (IPAM), Ulrica Wilson (ICERM)
- Thematic Program in p-adic L-functions and Eigenvarieties** **Notre Dame, IN**
Topics: Modular Forms and Elliptic Curves (Undergraduate Summer School) May 2022 - June 2022
Organizers: A. Jorza, C. Raicu, E. O’Dorney (Center for Mathematics, University of Notre Dame)
- 2022 NSF/STEM: Fellowships Application Workshop** **Rio Piedras, PR**
Topics: Grants and Fellowships Workshop May 2022
Organizers: Mike Westrate (Villanova University)
- Algebraic Coding Theory Workshop** **Johnson City, TN**
Topics: Finite Fields and Projective Geometry June 2021
Organizer: Fernando Piñero (University of Puerto Rico at Ponce)

STUDENT	PythagoRUM	Mayagüez, PR
ASSOCIATIONS	<i>Co-founder & Vice-President</i>	August 2022–May 2023
	<ul style="list-style-type: none"> Served as co-founder and currently serving as Vice-President for the mathematics and computer science student association. This entity has the purpose to promote research in mathematics, as well as related fields of STEM, through professional development workshops and research colloquia. 	
	Society of Physics Students, UPRM Chapter	Mayagüez, PR
	<i>Committee Assistant</i>	August 2018–May 2023
	<ul style="list-style-type: none"> Served as a Demonstration Committee assistant in 2 physics phenomena presentations. The presentations were for an audience of 20+ elementary school students to motivate them to study science. Served as a Sales Committee assistant in chapter food sales event to improve the chapter's office. 	
	Hermanidad Colegial de Avivamiento	August 2018–December 2022
	<i>Committee Assistant</i>	
	<ul style="list-style-type: none"> Served as percussion musician for Hermanidad Colegial de Avivamiento. Went on a mission to the municipality of Vieques, Puerto Rico in the winter of 2019, and helped distribute donated food, clothing and gifts for people in need. 	
	Acting and Music	Mayagüez, PR
	<i>Acting: Theater Presentations and Roles</i>	March 2019–May 2023
	<ul style="list-style-type: none"> The Physics Movie (Nicholas Flamel, secondary character) (In Development) El Muerto (Sabás Honoré, secondary character) (August 2019) The Physics Show (Michael Faraday, secondary character) (March 2019) 	
	<i>Music: Alma Latina UPRM</i>	February 2020–March 2020
	<ul style="list-style-type: none"> Worked as percussion musician and staff for the Latin jazz and salsa music group Alma Latina at UPRM. 	