

Carlos Andrés Chirre Chávez

CONTACT INFORMATION	IMPA - Instituto de Matemática Pura e Aplicada Estrada Dona Castorina 110, Rio de Janeiro, Brazil Contact: achirre@impa.br Webpage: achirre.impa.br
PERSONAL	Citizenship Peruvian. Born in November 12, 1989.
RESEARCH INTERESTS	Analytic Number Theory, Harmonic Analysis and Approximation Theory.
EDUCATION	Instituto de Matemática Pura e Aplicada (IMPA) , Rio de Janeiro, Brazil Ph.D., Mathematics , <i>Expected</i> : February 2019 <ul style="list-style-type: none">• Advisor: Emanuel Carneiro Instituto de Matemáticas y Ciencias Afines (IMCA) , Lima, Peru M.Sc., Mathematics , November 2014 <ul style="list-style-type: none">• Thesis: <i>About the real zeros of entire functions</i>• Advisor: Oswaldo Velásquez Universidad Nacional de Ingeniería (UNI) , Lima, Peru B.S., Mathematics , July 2012
VISITING SCHOLAR	University of Mississippi (Mississippi, USA) Fall 2018 Department of Mathematics, Supervisor: Micah B. Milinovich
PUBLICATIONS AND PREPRINTS	<ol style="list-style-type: none">1. <i>Bounding $S_n(t)$ on the Riemann hypothesis</i> (with E. Carneiro), Math. Proc. Camb. Philos. Soc. 164 (2018), 259–283.2. <i>Bandlimited approximations and estimates for the Riemann zeta-function</i> (with E. Carneiro and M. B. Milinovich), Publ. Mat., to appear.3. <i>A note on Entire L-functions</i>, Bull. Braz. Math. Soc., to appear.4. <i>Extreme values for $S_n(\sigma, t)$ near the critical line</i>, Preprint arXiv:1807.11642.5. <i>Pair correlation estimates for the zeta zeros via semidefinite programming</i> (with F. Gonçalves and D. de Laat), Preprint available upon request.6. <i>Variance of prime numbers</i> (with E. Carneiro, V. Chandee and M. B. Milinovich), under preparation.
GRANTS AND FELLOWSHIPS	2011 CNPq Fellowship (Summer). 2014 M. Sc.: Awarded as excellence thesis (IMCA - UNI). 2015 - 2017 CNPq Ph. D. Fellowship. 2017 - 2019 Faperj “Doutorado Nota 10” Fellowship for Excellent Students. Advisor: Emanuel Carneiro.

INVITED RESEARCH VISITS

UNESP - State University of São Paulo (São Paulo, Brazil) March 2018 (2 weeks)
 Department of Mathematics,
 Supervisor: Dimitar Dimitrov

UNESP - State University of São Paulo (São Paulo, Brazil) October 2017 (2 weeks)
 Department of Mathematics,
 Supervisor: Dimitar Dimitrov

ICTP - International Centre for Theoretical Physics (Trieste, Italy) November 2016
 Mathematics Section,
 Supervisor: Emanuel Carneiro

IMCA - Instituto de Matemáticas y Ciencias Afines (Lima, Peru) July 2016
 Department of Mathematics,
 Supervisor: Oswaldo Velásquez

INVITED TALKS

2018 Analysis Seminar Caltech/UCLA - California, USA (upcoming).
 2018 Number Theory Seminar, University of Mississippi, USA.
 2018 Minicourse in Approximation Theory with Applications in Number Theory, UFRGS - Porto Alegre, Brazil.
 2017 Analysis and Differential Partial Equations Seminar, IMPA, Brazil.
 2017 Harmonic Analysis Session, XXXI Brazilian Colloquium of Mathematics - Rio de Janeiro, Brazil.
 2016 Approximation Theory Session, II Congresso Brasileiro de Jovens Pesquisadores em Matemática Pura e Aplicada - Campinas, Brazil.
 2016 Number Theory Seminar, IMCA, Peru.

PARTICIPATION IN CONGRESSES AND CONFERENCES

2018 International Congress of Mathematicians (ICM) - Rio de Janeiro, Brazil.
 2018 ICM Satellite Conference in Harmonic Analysis (Poster Presentation) - Porto Alegre, Brazil.
 2018 AGRA III, Aritmética, Grupos y Análisis III - Córdoba, Argentina.
 2017 CIMPA Research School - IX Escuela Santaló - Harmonic Analysis, Geometric Measure Theory and Applications - Buenos Aires, Argentina.
 2017 Recent Developments in Harmonic Analysis, MSRI - California, USA.
 2017 Recent Developments in Analytic Number Theory, MSRI - California, USA.
 2017 Introductory Workshop: Analytic Number Theory, MSRI - California, USA.
 2017 Connections for Women: Analytic Number Theory (Poster Presentation), MSRI, California, USA.
 2015 International Conference on Current Trends in Analysis and PDEs, IMPA, Brazil.
 2015 International Workshop on Elliptic and Kinetic PDEs, IMPA, Brazil.
 2015 XXX Brazilian Colloquium of Mathematics - Rio de Janeiro, Brazil.
 2015 International Conference in Number Theory and Physics, IMPA, Brazil.
 2014 School in Computational Algebra and Number Theory (ICTP) - Montevideo, Uruguay.

TEACHING EXPERIENCE

Teaching Assistant Summer 2018
 Analytic Number Theory
 Instructor: Emanuel Carneiro
 Instituto de Matemática Pura e Aplicada (IMPA)

Teaching 2014
 Mathematical Logic
 Department of Economic,
 Universidad Peruana de Ciencias Aplicadas (UPC)

Teaching 2014

Mathematics for economists
Departament of Economic,
Universidad Peruana de Ciencias Aplicadas (UPC)
Teaching Assistant 2013
Mathematics I
Instructor: Javier Zuñiga
Departament of Economic,
Universidad del Pacífico (UP)
Teaching Assistant 2013-2014
Mathematics II
Instructor: Yboon García
Departament of Economic,
Universidad del Pacífico (UP)

REFERENCES

Professor Emanuel Carneiro
ICTP - The Abdus Salam International Centre for Theoretical Physics
Mathematics Section
IMPA - Instituto de Matemática Pura e Aplicada
`carneiro@impa.br`

Professor Micah B. Milinovich
University of Mississippi
Department of Mathematics
`mbmilino@olemiss.edu`

Professor Dimitar Dimitrov
UNESP - State University of São Paulo
Department of Mathematics
`dimitar.k.dimitrov@unesp.br`