

Personal information

Surname(s) / First name(s)

Nationality(-ies)

Date of birth

Gender

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Vásquez Ehrenfeld, Carlos Humberto

Chilean

December 16, 1970

Male

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Affiliation

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Position

Instituto de Matemáticas, Pontificia Universidad Católica de Valparaíso.

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Associated Professor

Degrees

Date

Degree

Institution

2000 – 2003.

Ph.D in Mathematics

Instituto de Matemáticas Puras e Aplicadas (IMPA), Rio de Janeiro, Brazil.

Publications

J. Buzzi, T. Fisher, M. Sambarino, and C. Vásquez.

Maximal entropy measures for certain partially hyperbolic, derived from Anosov systems.

Ergodic Theory Dynam. Systems, 32(1):63–79, 2012

Carlos H. Vásquez.

Stable ergodicity for partially hyperbolic attractors with positive central Lyapunov exponents.

J. Mod. Dyn., 3(2):233–251, 2009

Esteban Muñoz-Young, Andrés Navas, Enrique Pujals, and Carlos H. Vásquez.

A continuous Bowen-Mañé type phenomenon.

Discrete Contin. Dyn. Syst., 20(3):713–724, 2008

José F. Alves, Vitor Araújo, and Carlos H. Vásquez.

Stochastic stability of non-uniformly hyperbolic diffeomorphisms.

Journal of Modern Dynamics, 7(3):299–333, 2007

Carlos H. Vásquez.

Statistical stability for diffeomorphisms with dominated splitting.

Ergodic Theory Dynam. Systems, 27(1):253–283, 2007

Hernán R. Henríquez and Carlos H. Vásquez.

Differentiability of solutions of second-order functional differential equations with unbounded delay.

J. Math. Anal. Appl., 280(2):284–312, 2003

Hernán R. Henríquez and Carlos H. Vásquez.

Differentiability of solutions of the second order abstract Cauchy problem.

Semigroup Forum, 64(3):472–488, 2002

Hernán R. Henríquez and Carlos H. Vásquez.

Almost periodic solutions of abstract retarded functional-differential equations with unbounded delay.

Acta Appl. Math., 57(2):105–132, 1999

Grants

Dates	2006
Fund	DGIP-UCN 2005 10301201
Title	Statistical properties of diffeomorphisms with weak forms of hyperbolicity.
Responsibilities	Principal Researcher.
State	Finished.
Dates	2006-2008
Fund	FONDECYT 1060829
Title	Some probabilistic aspect of foliations and other dynamical systems.
Responsibilities	Research collaborator.
State	Finished.
Dates	2007-2009
Fund	FONDECYT 11060497 Initiation into Research
Title	Statistical properties of dynamical systems with dominated splitting.
Responsibilities	Principal Researcher.
State	Finished.
Dates	2006-2009
Fund	PROSUL-Brasil
Title	The South American Network on Dynamical Systems.
Responsibilities	Research collaborator.
State	Finished
Dates	2007-2009
Fund	Science and Technology Bicentenary Programa (PBCT)
Title	Low dimensional dynamical systems.
Responsibilities	Research collaborator.
State	Finished
Dates	2009-2010
Fund	Math-Amsud
Title	DySET
Responsibilities	Research collaborator.
State	Finished
Dates	2010-2012
Fund	FONDECYT 1100547 Regular
Title	Ergodic properties of partially hyperbolic diffeomorphisms
Responsibilities	Principal Researcher.
State	Carrying out

Selected Lectures

2003

Gibbs cu-states and SRB measures
Geometric aspects of dynamical systems
University of Warwick, U.K.

Statistical stability for diffeomorphisms with dominated splitting
Recent trends in Dynamics
Universidade de Porto, Portugal.

2004

Random Perturbation of diffeomorphisms with dominated splitting
Summer School and Conference on Dynamical Systems
ICTP, Trieste, Italy.

2005

Lecture: Uniformly hyperbolic dynamics
V International School on Dynamical Systems
Facultad de Ciencias, Univesidad de Chile

2006

Stochastic stability for diffeomorphisms with dominated splitting
School and Workshop on Dynamical Systems,
IMPA, Rio de Janeiro, Brasil.

2007

Statistical properties of systems having dominated splitting
Seminar on Dynamical Systems,
University of Toronto, Canadá.

2008

u -measures with positive central Lyapunov exponents
School and workshop on dynamics with an special session on complexity,
Montevideo, Uruguay.

Lecture: The Hopfs argument
First school on Dynamical Systems
Universidad Mayor de San Andrés, La Paz, Bolivia.

2009

Stable ergodicity for partially hyperbolic attractors with positive central Lyapunov exponents
International Workshop on Global Dynamics beyond uniform hyperbolicity,
Beijing, China.

2011

Partially hyperbolic diffeomorphisms whose central direction is mostly expanding.
Workshop on Dynamical Systems,
Universidade Federal da Bahia, Salvador, Brasil