
PROFESSIONAL ADDRESS	Centro de Matemática, Computação e Cognição Universidade Federal do ABC Av. dos Estados, 5001 09210-580 Santo André- SP, Brazil	juliana.pimentel@ufabc.edu.br
CURRENT POSITION	Assistant Professor Universidade Federal do ABC, Santo André, Brazil. Since December, 2015.	
RESEARCH INTERESTS	Infinite Dimensional Dynamical Systems, Partial Differential Equations	
EDUCATION	Instituto Superior Técnico - Universidade de Lisboa , Lisbon, Portugal Ph.D., Mathematics, May 2014 <ul style="list-style-type: none"> • Thesis Topic: <i>Asymptotic behavior of slowly non-dissipative systems</i> • Advisor: Carlos Rocha Universidade de São Paulo , São Paulo, Brazil M.S., Applied Mathematics, Aug 2010 <ul style="list-style-type: none"> • Topic: <i>Applications of semigroups in reaction-diffusion equations and the existence of travelling waves</i> • Advisor: Sergio Oliva Universidade Federal de Goiás , Goiás, Brazil B.Sc., Mathematics, Dec 2007	
RESEARCH EXPERIENCE	Postdoctoral fellow Instituto de Ciências Matemáticas e de Computação Universidade de São Paulo Supervisor: Alexandre N. de Carvalho	Aug 2014 to Dec 2015
	Research Fellow Berlin Mathematical School - BMS Department of Mathematics, Freie Universitat Berlin Supervisor: Bernold Fiedler	May 2013 to Jul 2013
	Visiting Scholar Department of Mathematics, Instituto Superior Técnico (Portugal) Supervisor: Carlos Rocha	Feb 2010 to Aug 2010
RESEARCH GRANTS AND ACADEMIC AWARDS	<ol style="list-style-type: none"> 1. Academic Excellence Prize 2017 (Universidade Federal do ABC) 2. Research grant funded by FAPESP (Auxílio Regular # 2016/04925-7). 3. Research grant, Einstein Foundation Program, BMS - Freie Universitat Berlin, Germany. 2013 4. Doctoral Fellowship, UT Austin-Portugal - FCT, Portugal. 2011 5. Doctoral Fellowship, European Commission for Education and Training, EMCEW. 2010 	

ACCEPTED AND
PUBLISHED
PAPERS

1. Autonomous and non-autonomous unbounded attractors under perturbations. With A. de Carvalho. *Proceedings of the Royal Society of Edinburgh Section A*, (2017).
2. Unbounded Sturm global attractors for semilinear parabolic equations on the circle. *SIAM Journal on Mathematical Analysis*, vol. 48(6), 3860-3882, (2016).
3. A permutation related to non-compact global attractors for slowly non-dissipative systems. With C. Rocha. *Journal of Dynamics and Differential Equations*, vol. 28(1), 1-28, (2016).
4. Estimates for a class of slowly non-dissipative reaction-diffusion equations. With E. Pimentel. *The Rocky Mountain Journal of Mathematics*, vol. 46(3), (2016).
5. Non-compact global attractors for scalar reaction-diffusion equations. With C. Rocha. *São Paulo Journal of Mathematical Sciences*, vol. 9(2), 299-310, (2015).

SUBMITTED
PAPERS

1. Limiting grow-up behavior for a one-parameter family of dissipative PDEs. With A. de Carvalho and S. M. Bruschi (2017).
2. A semilinear elliptic equation with competing powers and a radial potential. With M. Musso (2017).

CONFERENCES
AND SEMINARS

1. XI Congress GAFEVOL Oct 2017
Universidade de Brasilia, Brasilia - Brazil
2. XI Americas Conference on Diff. Equations and Nonlinear Analysis Aug 2017
University of Alberta, Alberta - Canada
Special Session: Infinite Dimensional Dynamical Systems
3. Mathematical Congress of the Americas (MCA) Jul 2017
Centre Mont-Royal and McGill University, Montreal - Canada
Special Session: Models and Methods in Evolutionary Differential Equations in Time Scales
4. Advanced School Workshop on Nonlocal PDEs and Applications to Geometry, Physics and Probability May/June 2017
The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste - Italy
5. WIAS-FU Oberseminar Nonlinear Dynamics Apr 2017
Weierstrass Institute for Applied Analysis and Stochastics (WIAS), Berlin - Germany
?Permutation characterization for slowly non-dissipative equations?
6. Seminário de Análise, Geometria e Sistemas Dinâmicos Apr 2017
Instituto Superior Técnico - Universidade de Lisboa, Lisboa - Portugal
“Unbounded Attractors Under Perturbations”
7. Colóquio do MAP Mar 2017
Universidade de São Paulo, São Paulo - Brasil
“Longtime behavior of reaction-diffusion equations with infinite-time blow-up”
8. IX Workshop de Verão em Matemática Feb 2017
Universidade de Brasília (UnB), Brasília - Brasil
“Longtime behavior of reaction-diffusion equations with infinite-time blow-up”

9. Seminrios em Análise/Equações Diferenciais Parciais Feb 2017
Instituto Nacional de Matemática Pura e Aplicada (IMPA), Rio de Janeiro - Brasil
“Longtime behavior of reaction-diffusion equations with infinite-time blow-up”
10. Seminários de Análise - UnB Dec 2016
Universidade de Braslia (UnB) - Brasil
“Permutation characterization for global attractors”
11. II Mini-Workshop on PDE Methods and Applications Aug 2016
IMECC-UNICAMP, Campinas - Brazil
“Asymptotics of scalar parabolic PDEs with infinite-time blow-up”
12. 11th AIMS Conf. on Dynamical Systems, Diff. Eq. and Applications Jul 2016
Instituto de Ciencias Matemáticas and Universidad Autónoma de Madrid - Spain
Special Session: Infinite-dimensional Dynamical Systems from differential equations under singular perturbations
“Unbounded attractors for parabolic equations”
13. Seminários da pós-graduação em Matemática Mar 2016
Universidade Federal do ABC, Santo André - Brazil
“Caracterização de atratores globais por permutações”
14. Nonlinear PDEs @ IMPA Jun 2016
Instituto Nacional de Matemática Pura e Aplicada, IMPA - Brazil
“Infinite-time blow-up for the Chafee-Infante equation”
15. Seminários da Matemática Feb 2016
Universidade Federal da Paraíba, João Pessoa - Brazil
“Caracterização de atratores globais por permutações”
16. ICMC Summer Meeting on Differential Equations Feb 2016
Universidade de São Paulo, São Carlos - Brazil
Special Session on Nonlinear dynamical systems
“Non-autonomous parabolic equations with unbounded pullback attractors”
17. Seminários em Matemática do DCM/FFCLRP Nov 2015
Universidade de São Paulo, Ribeirão Preto - Brazil
“Unbounded attractors for autonomous and non-autonomous parabolic equations”
18. 30 Colóquio Brasileiro de Matemática Jul 2015
Instituto Nacional de Matemática Pura e Aplicada, IMPA - Brazil
Special Session on Partial Differential Equations
“Asymptotics of scalar parabolic PDEs with infinite-time blow-up”
19. International Workshop on Elliptic and Kinetic PDEs Jul 2015
Instituto Nacional de Matemática Pura e Aplicada, IMPA - Brazil
“Asymptotic behavior of nondissipative scalar reaction-diffusion equations”
20. Evolution Equations Seminars IME-USP Apr 2015
Universidade de São Paulo - Brazil
“A permutation encoding the connecting orbit structure of unbounded attractors”
21. Differential Equations Seminars IMECC-UNICAMP Mar 2015
Universidade Estadual de Campinas - Brazil
“A permutation encoding the connecting orbit structure of unbounded attractors”
22. X Americas Conference on Differential Eq. and Nonlinear Analysis Feb 2015
Universidad de Buenos Aires - Argentina
Contributed talk

- “A permutation encoding the connecting orbit structure of slowly non-dissipative systems”
23. ICMC Summer Meeting on Differential Equations Feb 2015
Universidade de São Paulo (São Carlos) - Brazil
Special Session on Nonlinear dynamical systems
“Heteroclinics to equilibria and periodic orbit at infinity”
 24. Programa de Verão ICMC-USP Feb 2015
Universidade de São Paulo (São Carlos) - Brazil
“Permutation characterization for global attractors”
 25. The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications Jul 2014
Instituto de Ciencias Matemáticas and Universidad Autónoma de Madrid - Spain
Contributed Session on PDEs and Applications
“A permutation encoding the connecting orbit structure of slowly non-dissipative systems”
 26. Encontro Nacional da Sociedade Portuguesa de Matemática Jul 2014
Universidade Nova de Lisboa - Portugal
Special Session on Dynamical Systems - “A permutation encoding the connecting orbit structure of slowly non-dissipative systems”
 27. Applied Mathematics and Computational Science Seminar Jun 2014
King Abdullah University of Science and Technology - Saudi Arabia
“Non-compact global attractors for slowly non-dissipative equations”
 28. Partial Differential Equations Seminars Apr 2014
Instituto Superior Técnico, Universidade de Lisboa - Portugal
“A permutation encoding the connecting orbit structure of slowly non-dissipative systems”
 29. International Conference on Dynamics, Games and Science Feb 2014
Universidade do Porto - Portugal
Thematic Session on Dynamics - “Asymptotic behavior of a non-dissipative scalar parabolic PDE”
 30. ICMC Summer Meeting on Differential Equations Feb 2014
Universidade de São Paulo (São Carlos) - Brazil
Special Session on Nonlinear Dynamical Systems - “A permutation encoding the connecting orbit structure of slowly non-dissipative systems”
 31. Students’ Day, UT|Austin-Portugal Jun 2012
Universidade do Porto - Portugal
Invited speaker - “Global attractors for scalar parabolic PDEs”

INVITED VISITS

1. Freie Universität Berlin (Germany), invited by B. Fiedler Apr/May 2017
(two months)
2. Universidade de Lisboa (Portugal), invited by C. Rocha Apr 2017
(two weeks)
3. Pontificia Universidad Católica de Chile (Chile), invited by M. Musso Mar 2017
(one week)

SHORT COURSES

- | | | |
|----|---|----------|
| 1. | 68 Seminário Brasileiro de Análise
Universidade de São Paulo - Brazil
"Nash equilibria over Hausdorff spaces" | Nov 2008 |
|----|---|----------|

TEACHING
EXPERIENCE

Instructor

- | | | |
|----|---|------------------|
| 1. | Universidade Federal do ABC
Multivariable functions
Analytic Geometry
Partial Differential Equations | Spring/Fall 2017 |
| 2. | Universidade Federal do ABC
Analytic Geometry
Linear Algebra
Pre-Calculus
Multivariable functions | Spring/Fall 2016 |
| 3. | Universidade de São Paulo
Calculus 1 | Spring 2015 |

Co-instructor

- | | | |
|----|---|------------------|
| 1. | Universidade de São Paulo
Numerical Methods in Differential Equations
Topics in Applied Mathematics | Spring/Fall 2009 |
|----|---|------------------|

Teaching Assistant

- | | | |
|----|--|-----------|
| 1. | Universidade de São Paulo
Mathematical Analysis I | Fall 2008 |
|----|--|-----------|

CONFERENCES
ORGANIZED

Member of Scientific Committee

- | | |
|---|-------------|
| V Workshop de Teses e Dissertações em Matemática
Universidade de São Paulo, ICMC-USP, Brazil | August 2015 |
|---|-------------|

Member of Organizing Committee

- | | |
|---|------------|
| 1st Workshop for the ICMC Postdocs
Universidade de São Paulo, ICMC-USP, Brazil | April 2015 |
| ICMC Summer Meeting on Differential Equations - Chapter 2016
Universidade de São Paulo, ICMC-USP, Brazil | Feb 2016 |
| XI Congress Gafevol
Universidade de Brasilia, Brasilia, Brazil | Oct 2017 |

Special Session Organizer

- | | |
|--|----------|
| ICMC Summer Meeting on Differential Equations
Special Session - "Nonlinear Dynamical Systems"
Co-organized with M. Bortolan (UFSC)
Universidade de Sao Paulo, Sao Carlos - Brazil | Feb 2017 |
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	<p>II Cong. Brasileiro de Jovens Pesquisadores em Mat. Pura e Apl. Special Session - "Nonlocal equations and applications" Co-organized with R. Alonso IMECC-UNICAMP, Campinas - Brazil</p>	Dec 2016
	<p>First Joint Meeting Brazil - Italy in Mathematics Special Session - "New developments in nonlinear evolutionary PDEs" Co-organized with F. Dell'Oro, J. Rivera and M. Naso IMPA, Rio de Janeiro, Brazil</p>	Aug 2016
	<p>V Congresso Latino Americano de Matemáticos Special Session - "Elliptic and Parabolic PDEs" Co-organized with M. Musso, A. Quaas and B. Syrakov Universidad del Norte, Barranquilla, Colombia</p>	Jul 2016
	<p>ICMC Summer Meeting on Differential Equations - Chapter 2016 Poster Session Universidade de São Paulo, ICMC-USP, Brazil</p>	Feb 2016
PROFESSIONAL SERVICE	<p>Thesis Committee Universidade de São Paulo (USP - São Carlos) PhD Candidate: Cesar Augusto Esteves das Neves Cardoso Advisor: Alexandre N. de Carvalho</p>	Jun 2017
	<p>Freie Universitat Berlin (Berlin) PhD Candidate: Phillippo Lappicy Advisor: Bernold Fiedler</p>	May 2017
	<p>Universidade Federal da Paraíba (UFPB) Master Student: Esaú Alves de Sousa Advisor: Flank David Morais Bezerra</p>	Mar 2017
	<p>Universidade Estadual de Campinas (Unicamp) Master Student: César Klayson Soares dos Santos Advisor: Olivaine S. Queiroz</p>	Feb 2017
	<p>Universidade de São Paulo (USP - São Carlos) PhD Candidate: Leonardo Pires Advisor: Alexandre N. de Carvalho</p>	Sep 2016
	<p>Qualifying Exam Committee Universidade Federal do ABC (UFABC) Master Student: Samuel Francisco Advisor: Igor L. Freire</p>	Dec 2016
	<p>Universidade de São Paulo (IME-USP) PhD Student: Rosangela Teixeira Guedes Advisor: Antonio L. Pereira</p>	Apr 2016
	<p>Reviewer Mathematical Reviews - AMS</p>	Since Nov 2014
	<p>Reviewer</p>	Since Oct 2014

Zentralblatt MATH - zbMATH

Membership - Professional Societies

Since 2010

Society for Industrial and Applied Mathematics (SIAM)

Community outreach

Since Oct 2012

Mentor

Association for women in mathematics (AWM)

Mentor network