

---

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	<b>Instituto Superior Técnico - Universidade de Lisboa</b> , Lisbon, Portugal Ph.D., Mathematics, May 2014 <ul style="list-style-type: none"> <li>• Thesis Topic: <i>Asymptotic behavior of slowly non-dissipative systems</i></li> <li>• Advisor: Carlos Rocha</li> </ul> <b>Universidade de São Paulo</b> , São Paulo, Brazil M.S., Applied Mathematics, Aug 2010 <ul style="list-style-type: none"> <li>• Topic: <i>Applications of semigroups in reaction-diffusion equations and the existence of travelling waves</i></li> <li>• Advisor: Sergio Oliva</li> </ul> <b>Universidade Federal de Goiás</b> , Goiás, Brazil B.Sc., Mathematics, Dec 2007	
RESEARCH EXPERIENCE	<b>Postdoctoral fellow</b> Instituto de Ciências Matemáticas e de Computação Universidade de São Paulo Supervisor: Alexandre N. de Carvalho	Aug 2014 to Dec 2015
	<b>Research Fellow</b> Berlin Mathematical School - BMS Department of Mathematics, Freie Universitat Berlin Supervisor: Bernold Fiedler	May 2013 to Jul 2013
	<b>Visiting Scholar</b> 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"> <li>1. Research grant funded by FAPESP (Auxílio Regular # 2016/04925-7).</li> <li>2. Research grant, Einstein Foundation Program, BMS - Freie Universitat Berlin, Germany. 2013</li> <li>3. Doctoral Fellowship, UT Austin-Portugal - FCT, Portugal. 2011</li> <li>4. Doctoral Fellowship, European Commission for Education and Training, EMCEW. 2010</li> </ol>	

- ACCEPTED PAPERS
1. Unbounded Sturm global attractors for semilinear parabolic equations on the circle. To appear in *SIAM Journal on Mathematical Analysis*.
  2. 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).
  3. Estimates for a class of slowly non-dissipative reaction-diffusion equations. With E. Pimentel. *The Rocky Mountain Journal of Mathematics*, vol. 46(3), (2016).
  4. 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. Autonomous and non-autonomous unbounded attractors under perturbations. With A. de Carvalho
- PAPERS IN PREPARATION
- CONFERENCES AND SEMINARS
1. II Mini-Workshop on PDE Methods and Applications Aug 2016  
IMECC-UNICAMP, Campinas - Brazil  
“Asymptotics of scalar parabolic PDEs with infinite-time blow-up”
  2. 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”
  3. Seminários da pós-graduação em Matemática Mar 2016  
Universidade Federal do ABC, Santo André - Brazil  
“Caracterização de atratores globais por permutações”
  4. Nonlinear PDEs @ IMPA Jun 2016  
Instituto Nacional de Matemática Pura e Aplicada, IMPA - Brazil  
“Infinite-time blow-up for the Chafee-Infante equation”
  5. Seminários da Matemática Feb 2016  
Universidade Federal da Paraíba, João Pessoa - Brazil  
“Caracterização de atratores globais por permutações”
  6. 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”
  7. Seminários em Matemática do DCM/FFCLRP Nov 2015  
Universidade de São Paulo, Ribeirão Preto - Brazil  
“Unbounded attractors for autonomous and non-autonomous parabolic equations”
  8. 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”
  9. 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”

10. Evolution Equations Seminars IME-USP Apr 2015  
 Universidade de São Paulo - Brazil  
 “A permutation encoding the connecting orbit structure of unbounded attractors”
11. Differential Equations Seminars IMECC-UNICAMP Mar 2015  
 Universidade Estadual de Campinas - Brazil  
 “A permutation encoding the connecting orbit structure of unbounded attractors”
12. 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”
13. 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”
14. Programa de Verão ICMC-USP Feb 2015  
 Universidade de São Paulo (São Carlos) - Brazil  
 “Permutation characterization for global attractors”
15. 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”
16. 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”
17. 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”
18. 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”
19. 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”
20. 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”
21. Students’ Day, UT|Austin-Portugal Jun 2012  
 Universidade do Porto - Portugal  
 Invited speaker - “Global attractors for scalar parabolic PDEs”

SHORT COURSES

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

TEACHING  
 EXPERIENCE

- Instructor Fall 2016  
 Pre-Calculus  
 Centro de Matemática, Computação e Cognição,  
 Universidade Federal do ABC
- Instructor Spring 2016  
 Multivariable functions  
 Centro de Matemática, Computação e Cognição,  
 Universidade Federal do ABC
- Instructor Spring 2015  
 Calculus 1  
 Department of Mathematics,  
 Universidade de São Paulo
- Co-instructor Fall 2009  
 Numerical Methods in Differential Equations  
 with Sergio Oliva  
 Department of Applied Mathematics,  
 Universidade de São Paulo
- Co-instructor Spring 2009  
 Topics in Applied Mathematics  
 with Pedro A. Tonelli  
 Department of Applied Mathematics,  
 Universidade de São Paulo
- Teaching Assistant Fall 2008  
 Mathematical Analysis I  
 Instructor: Sonia R.L. Garcia  
 Department of Applied Mathematics,  
 Universidade de São Paulo

EVENTS  
 ORGANIZER

- 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 April 2015  
 Universidade de São Paulo, ICMC-USP, Brazil
- ICMC Summer Meeting on Differential Equations - Chapter 2016 Feb 2016  
 Universidade de São Paulo, ICMC-USP, Brazil
- Special Session Organizer**  
 II Cong. Brasileiro de Jovens Pesquisadores em Mat. Pura e Apl. Upcoming  
 Special Session - "Nonlocal equations and applications"  
 Jointly with R. Alonso  
 IMECC-UNICAMP, Campinas - Brazil
- First Joint Meeting Brazil - Italy in Mathematics Aug 2016  
 Special Session - "New developments in nonlinear evolutionary PDEs"  
 Jointly with F. Dell'Oro, J. Rivera and M. Naso

IMPA, Rio de Janeiro, Brazil

V Congresso Latino Americano de Matemáticos  
Special Session - "Elliptic and Parabolic PDEs"  
Jointly with M. Musso, A. Quaas and B. Syrakov  
Universidade del Norte, Barranquilla, Colombia Jul 2016

ICMC Summer Meeting on Differential Equations - Chapter 2016  
Poster Session  
Universidade de São Paulo, ICMC-USP, Brazil Feb 2016

PROFESSIONAL  
SERVICE

**Thesis Committee** Sep 2016  
Universidade de São Paulo (São Carlos)  
PhD Candidate: Leonardo Pires  
Advisor: Alexandre N. de Carvalho

**Reviewer** Since Nov 2014  
Mathematical Reviews - [AMS](#)

**Reviewer** 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](#)