

## CURRICULUM VITAE FOR RUI LOJA FERNANDES

Department of Mathematics  
University of Illinois at Urbana-Champaign  
Urbana, Illinois 61801

### EDUCATION

Habilitation (“Agregação”) in Mathematics, IST-Lisbon, 2002  
Ph.D. in Mathematics, University of Minnesota, 1994 (advisor: Peter J. Olver)  
M.Sc. in Mathematics, University of Minnesota, 1992  
Licenciatura in Physics Engineering, IST-Lisbon, 1988

### PROFESSIONAL EXPERIENCE

2012- -- University of Illinois at Urbana-Champaign, Lois M. Lackner Professor of Mathematics  
2007-2012 IST-Lisbon, Professor of Mathematics  
2003-2007 IST-Lisbon, Associate Professor of Mathematics  
1994-2003 IST-Lisbon, Assistant Professor of Mathematics  
1989-1994 University of Minnesota, Teaching Fellow/Assistant

### APPOINTMENTS

2010 – 2012 Head of the Department of Mathematics, IST-Lisbon  
2010 – 2012 Member of the Executive Committee of the European Mathematical Society  
2009 – 2012 Member of the Senate of the Technical University of Lisbon  
2009 – 2010 Member of the Scientific Board of IST-Lisbon  
2005 – 2016 Member of the Scientific Board of CIM - Centro Internacional de Matemática  
2001 – 2008 Member of the Senate of IST-Lisbon

### AWARDS, GRANTS AND DISTINCTIONS

2018 Simons Fellow in Mathematics  
2016 AMS Fellow  
2014-2016 Science without Borders Special Visiting Researcher, IMPA, Brazil  
NSF-DMS Support (since arriving in the USA): grants 13-08472, 14-05671, 17-10884, 20-03223  
Beca del Ministerio de Educación y Ciencia 2008 for sabbatical at CRM-Barcelona, Spain  
Chercheur invité CNRS at Université de Paul Sabatier-Toulouse, France, 2007  
Corresponding member of the Lisbon Academy of Sciences since December 2006.  
Calouste Gulbenkian Foundation Award for the Basic Sciences, 2001  
Outstanding Thesis Award, University of Minnesota, USA, 1994  
NATO PhD Grant at University of Minnesota 1989-93  
Fulbright-Hays Grant 1989-90

### BOOKS AND LECTURE NOTES

1. R.L. Fernandes and M. Ricou, *Introdução à Álgebra*, 2<sup>nd</sup> Edition, ISBN: 978 9728469 276  
Coleção Ensino da Ciência e Tecnologia, IST-Press, 2003, 484 pp.
2. M. Crainic and R.L. Fernandes, Lectures on Integrability of Lie Brackets, *Geometry & Topology Monographs* **17** (2011) 1-107.
3. M. Crainic, R.L. Fernandes and I. Marcuț, Lectures on Poisson Geometry, AMS Graduate Studies in Mathematics, volume 217, 2021.
4. R.L. Fernandes, Lectures in Differential Geometry, accepted for publication by World Scientific Press.

### RESEARCH PAPERS

1. R.L. Fernandes, On the master symmetries and bi-Hamiltonian structure of the Toda lattice, *J. Phys. A: Math. Gen.* **26**, (1993) 3797-3803.
2. R.L. Fernandes, A Note on Poisson Symmetric Spaces, in *Proceedings of the Cornelius Lanczos International Centenary Conference*. Eds. J. Davis Brown, Moody T. Chu, Donald C. Ellison, Robert J. Plemmons, SIAM Philadelphia, USA (1994) 638-642.

3. R.L. Fernandes, Completely Integrable bi-Hamiltonian Systems, *J. Dynam. Diff. Eq.* **6**, (1994) 53-69.
4. R.L. Fernandes, Integrability of the Periodic KM System - together with João P. Santos, *Reports on Math. Phys.* **40**, (1997) 475-484.
5. P. Duarte, R.L. Fernandes and W. Oliva, Dynamics on the Attractor of the Lotka-Volterra Equation, *J. Diff. Equations* **149**, (1998) 143-189.
6. R.L. Fernandes and W. Oliva, Hamiltonian Dynamics of the Lotka-Volterra Equations, *Proceedings of the Equadiff 95 Conference*, Lisbon, Eds. L. T. Magalhães, C. Rocha, L. Sanchez, World Scientific, Singapore, (1998).
7. R.L. Fernandes, Contravariant Connections on Poisson Manifolds, in *Proceedings of the Summer School on Differential Geometry*, Eds. A. M. Breda, F. Carvalho, J. Costa, B. Wegner, Univ. Coimbra, 1999.
8. R.L. Fernandes, Deformation Quantization and Poisson Geometry, *Resenhas IME-USP* **4**, (2000) 327-361.
9. R.L. Fernandes, Connections in Poisson Geometry I: Holonomy and Invariants, *J. of Differential Geometry* **54**, (2000) 303-366.
10. R.L. Fernandes and P. Vanhaecke, Hyperelliptic Prym Varieties and Integrable Systems, *Commun. Math. Phys.* **221**, (2001) 169-196.
11. P. Damianou and R.L. Fernandes, From the Toda lattice to the Volterra lattice and back, *Reports on Math. Phys.* **50**, (2002) 361-378.
12. R.L. Fernandes, Invariants of Lie algebroids, *Differential Geometry and its Applications* **19**, (2003) 223-243.
13. M. Crainic and R.L. Fernandes, Integrability of Lie brackets, *Annals of Mathematics* **157**, (2003) 575-620.
14. M. Crainic and R.L. Fernandes, Integrability of Poisson brackets, *J. of Differential Geometry* **66**, (2004) 71-137.
15. R.L. Fernandes and P. Monnier, Linearization of Poisson brackets, *Lett. Math. Phys.* **69**, (2004) 89-114.
16. M. Crainic and R.L. Fernandes, Exotic Characteristic Classes of Lie Algebroids, in *Quantum Field Theory and Noncommutative Geometry*, Lecture Notes in Physics, Vol. 662. Eds. Carow-Watamura, Ursula; Maeda, Yoshiaki; Watamura, Satoshi, Springer-Verlag, Berlin, 2005.
17. R.L. Fernandes, A note on proper Poisson actions, *Proceedings of the 10th International Conference in Modern Group Analysis*, Oct. 2004, Eds. N.H.Ibragimov, C.Sophocleous, P.A.Damianou, Larnaca, Cyprus, (2005) 77-84.
18. M. Crainic and R.L. Fernandes, Rigidity and flexibility in Poisson geometry, *Trav. Math.* **16** (2005), 53-68.
19. P. Damianou and R.L. Fernandes, Integrable hierarchies and the modular class, *Annales de l'Institut Fourier* **58** no. 1, (2008) 107-137.
20. R.L. Fernandes, The symplectization functor, in Proceedings of XV International Workshop on Geometry and Physics (Puerto de la Cruz, Tenerife, 2006) *Publ. R. Soc. Mat. Esp.* **11**, (2008) 67-82.
21. O. Brahic and R.L. Fernandes, Poisson fibrations and fibered symplectic groupoids, in Poisson Geometry in Mathematics and Physics, 41--60, *Contemporary Mathematics* **450**, American Mathematical Society, Providence, RI; 2008.
22. R.L. Fernandes and I. Struchiner, Lie Algebroids and Classification Problems in Geometry, *São Paulo J. of Math. Sci.* **2** no. 2, (2008) 263-284.
23. R.L. Fernandes, J.P. Ortega and T. Ratiu The momentum map in Poisson geometry, *Amer. J. of Math.* **131**, no. 5, (2009) 1261-1310.
24. R.L. Fernandes and D. Iglesias-Ponte Integrability of Poisson-Lie group actions, *Lett. Math. Phys.* **90**, (2009) 137-159.
25. M. Crainic and R.L. Fernandes, Stability of symplectic leaves, *Inventiones Mathematicae* **180**, no. 3, (2010), 481-533.
26. M. Crainic and R.L. Fernandes, A geometric approach to Conn's linearization theorem, *Annals of Math* **173** (2011), 1119-1137.
27. R.L. Fernandes and P. Frejlich, A h-principle for symplectic foliations, *International Mathematics Research Notices* **2012**, no. 7, (2012), 1505-1518.
28. R.L. Fernandes and Raquel Caseiro, Modular classes of Poisson maps, *Annales de l'Institut Fourier* **63** no. 4 (2013), 1285-1329.

29. R.L. Fernandes and I. Struchiner, The Classifying Lie Algebroid of a Geometric Structure I: Classes of Coframes, *Transactions of the AMS* **366**, no 5 (2014), 2419–2462.
30. R.L. Fernandes and O. Brahic, Integrability and Reduction of Hamiltonian Actions on Dirac Manifolds, *Indagationes Mathematicae* **25** no. 5 (2014), 901–925.
31. R.L. Fernandes and O. Brahic, Integration of Coupling Dirac Structures, *Pacific Journal of Mathematics* **278** no. 2 (2015), 325–367.
32. R.L. Fernandes, Normal Forms and Lie Groupoid Theory. In *Geometric Methods in Physics. Trends in Mathematics*. Birkhäuser Basel 2015.
33. M. del Hoyo and R.L. Fernandes, Riemannian Metrics on Lie Groupoids, *Journal für die reine und angewandte Mathematik (Crelle)*, **735** (2018), 143–173.
34. R.L. Fernandes, C. Laurent-Gengoux and P. Vanhaecke Global Action-Angle Variables for Non-Commutative Integrable Systems, *Journal of Symplectic Geometry*, **16** no. 3 (2018), 645–699.
35. H. Bursztyn and R.L. Fernandes, Picard groups of Poisson manifolds, *Journal of Differential Geometry*, **109** (2018), 1–38.
36. M. Crainic, R.L. Fernandes and D. Martínez Torres, Poisson Manifolds of Compact Types (PMCT I), *Journal für die reine und angewandte Mathematik (Crelle)* **756** (2019), 101–149.
37. M. del Hoyo and R.L. Fernandes, Riemannian metrics on differentiable stacks, *Mathematische Zeitschrift* **292** (2019), Issue 1–2, pp 103–132.
38. M. Crainic, R.L. Fernandes and D. Martínez Torres, Regular Poisson Manifolds of Compact Types (PMCT 2), *Astérisque* **413** (2019), 154 pp.
39. I. Contreras and R.L. Fernandes, Genus Integration, Abelianization and Extended Monodromy, *International Mathematics Research Notices* **2019**, no 7, 1–43.
40. M. del Hoyo and R.L. Fernandes, On deformations of compact foliations, *Proceedings of the AMS*, **147**, no. 10, (2019), pp 4555–4561.
41. R.L. Fernandes and D. Michiels, Associativity and Integrability, *Transactions of the AMS* **373** (2020), no 7, pp 5057–5110.
42. R.L. Fernandes and I. Struchiner, The Classifying Lie Algebroid of a Geometric Structure II: G-Structures, *São Paulo J. Math. Sci.* **15** (2021), no. 2, 524–570.
43. R.L. Fernandes and Yuxuan Zhang, Local and global integrability of Lie brackets, *Journal of Geometric Mechanics* **13**, no 3, (2021), pp 355–384.
44. R.L. Fernandes and I. Struchiner, The Global Solutions to a Cartan's Realization Problem, Preprint arXiv:1907.13614.
45. R.L. Fernandes and I. Mărcuț, Multiplicative Ehresmann connections. Preprint arXiv: 2204.08507.
46. R.L. Fernandes and I. Mărcuț, Poisson geometry around Poisson submanifolds, Preprint arXiv:2205.11457.

## BOOKS EDITED

1. Geometry and Physics: XVI International Fall Workshop, R.L. Fernandes and R. Picken (eds.), AIP Conference Proceedings Volume 1023, 228 p., 2008.
2. Celebrating 10 years of the Geometry in Lisbon Seminar, Proceedings of the Summer School held at IST, Lisbon, July 13–17, 2009. R.L. Fernandes and A. Cannas da Silva (eds.), *Port. Math.* **67** (2010), no. 2, 119.
3. Proceedings of the conference Poisson 2010 - Poisson Geometry in Mathematics and Physics, H. Bursztyn, R.L. Fernandes J-H. Lu and A. Weinstein, (eds.), special issue of the *Bulletin of the Brazilian Mathematical Society* **42** (2011) n° 4.

## JOURNAL EDITORSHIPS

1. Associate Editor of *J Geometric Mechanics*
2. Associate Editor of *Portugaliae Mathematica* (Editor-in-Chief between 2007-2012)

## RECENT CONFERENCE, SEMINAR AND COLLOQUIA TALKS

### Recent Conferences and Seminar Talks:

- “Non-formal deformation quantization”, Opening plenary talk at the joint Portuguese and Brazilian Math Societies meeting, Universidade Federal da Bahia, Salvador, Brazil, Aug 2022
- “The geometry of Cartan’s realization problem”, invited talk at the Conference Symmetry, Invariants and their Applications: a Celebration of Peter Olver’s 70<sup>th</sup> Birthday, Dalhousie University, Halifax, Canada, Aug 2022
- “Poisson geometry around Poisson submanifolds”, invited talk at Centre de Recerca Matematica, Barcelona, Spain, July 2022
- “Multiplicative Ehresmann Connections”, invited talk at the session on Descent Methods in Algebra, Geometry, and Topology, Canadian Math Society summer meeting, Memorial University, St. John, Newfoundland, June 2022
- The mathematics of Quantization, Zoom talk, Lisbon Academy of Sciences, March 2022
- Obstructions to non-formal deformation quantization, Séminaire d’Algebre d’Oporateurs, Paris Diderot, Jan 2022
- Poisson manifolds of compact type, problem session at the workshop Theorie de Lie et geometrie de Poisson, CIRM-Luminy, Jan, 2022
- "Integration of the prequantization n-algebroid", Zoom talk, Seminar on Higher Structures, University of Gottingen, Dec 2021
- "Associativity and obstructions to integrability", GroupoidFest 2021, University of Colorado, Colorado Springs, Nov 2021
- "Multiplicity Free Fibrations", Zoom talk at the Symplectic Geometry Session of the Brazilian Colloquium of Mathematics, August 2021
- “Non-commutative integrable systems and their singularities”, Zoom talk at the Geometria em Lisboa Seminar, hosted by IST Lisbon, May 2020.
- “Local models around Poisson submanifolds”, Zoom talk at the Global Poisson Webinar, hosted by the University of Geneva, April 2020.
- “Integration of (higher) algebroids, (higher) principal bundles with connection and (higher) differential characters”, Max-Planck Institute, Bonn, March, 2020
- “Global Solutions to Cartan’s Realization Problem”, International Conference on Poisson Geometry, IMPA, Rio de Janeiro, December, 2019
- “Prequantization, differential cohomology and the genus integration”, 2nd Workshop of the São Paulo Journal of Mathematical Sciences: Jean-Louis Koszul in São Paulo, His Work and Legacy, USP, Sao Paulo, Nov 2019
- “An Invitation to Poisson Geometry”, Connecticut Valley Mathematics Colloquium, Amherst College, Nov 2019
- “Prequantization, Differential Characters and the Genus Integration”, Workshop on Contact and Poisson Geometry, West University of Timișoara, Romania, Oct 2019
- “Genus Integration, Abelianization and Quantization”, Higher Differential Geometry Seminar, Max Planck Institute for Mathematics, Bonn, Germany, July 2019
- “Lie Theory beyond Lie groups”, Conference Matemáticos Portugueses Pelo Mundo, Universidade do Porto, Portugal, June 2019
- “Associativity and Integrability”, Colloquium Mathematisches Institut, Georg-August-Universität, Göttingen, Germany, June 2019
- “Genus Integration, Abelianization and Extended Monodromy”, Seminário Simplético da UFF, Rio de Janeiro, May 2019
- “An Invitation to Poisson Geometry”, Colloquium Math Department, PUC-Rio de Janeiro, Brazil, May 2019
- “On the classification of Bochner–Kähler metrics”, Differential Geometry Seminar, IMPA, Rio de Janeiro, Brazil, May 2019.
- “Lie groupoids, Lie algebroids and their applications”, Colloquium Math Department, UFMG, Belo Horizonte, Brazil, April 2019
- “Genus Integration and the Hurewicz homomorphism”, Conference Poisson aan de Waal, Radboud University Nijmegen, The Netherlands, December 2018.
- “Lie groupoids, Lie algebroids and their applications”, Colloquium Department of Mathematics, University of Athens, Greece, October 2018
- “Associativity and Integrability”, Séminaire Groupes, Algèbre et Géométrie, Université de Poitiers, France, September 2018

- “Genus Integration, Abelianization and Extended Monodromy”, Séminaire Groupes de Lie et espaces des modules, University of Geneva, Switzerland, September, 2018
- “Genus Integration, Abelianization and Extended Monodromy”, XXVII International Fall Workshop on Geometry and Physics, U Sevilla, Spain, September 2018
- “Bochner-Kähler metrics (after R. Bryant)”, Modern Trends in Differential Geometry, USP, Brazil, July 2018
- “Integrability and Associativity”, Poisson 2018, Fields Institute, Toronto, July 2018
- “Bochner-Kähler metrics (after R. Bryant)”, Symplectic Geometry Seminar, University of Minnesota, May 2018.
- "Integrability and Associativity", Seminário de Geometria IME-USP, São Paulo, April 2018.
- “Local Lie groupoids”, Seminário Simplético Conjunto no Rio, IMPA, Rio de Janeiro, Brazil, April 2018
- “Singularities of non-commutative integrable systems”, Math-Physics Seminar, University of Minnesota, March 2018.
- “Integrability and Associativity”, Colloquium Department of Mathematics, University of Minnesota, March 2018.
- “Integrability and Associativity”, Conference Conformal and Symplectic Geometry, University of Auckland, New Zealand, February 2018
- “Introduction to Poisson Geometry”, Workshop on Symplectic Foliations, Université de Lyon, France, September 2017
- “Lie algebroids, Lie groupoids and classification problems in Riemannian geometry”, PADGE 2017, Leuven, Belgium, August 2017
- “Non-commutative Integrable systems and Poisson geometry”, Conference on Poisson geometry and Stacks, Field Institute, Toronto, Canada, July 2017
- “Symplectic Gerbes”, Mathematical Congress of the Americas, Montreal, Canada, July 2017
- “Gelfand pairs, Symmetric Spaces and Symplectic Realizations”, Seminário de Geometria IME-USP, São Paulo, and Seminário Simplético Conjunto no Rio, Rio de Janeiro, Brazil, June 2017
- “Singularities of non-commutative integrable systems”, 13th Panhellenic Conference in Geometry, University of Cyprus, May 26 - May 28, 2017
- "Gelfand pairs, Poisson geometry and multiplicity free spaces", Emmy Noether Seminar, Department Mathematik, University of Erlangen, Germany, May 2017.
- "Gelfand pairs and Poisson geometry", May 2017, Gone Fishing Meeting, University of Notre Dame, May 2017. “Multiplicity free realizations of Poisson manifolds”, Friday Fish Seminar, Department of Mathematics, Utrecht University, The Netherlands, January 2017.
- “Non-commutative Integrable Systems and Isotropic Realizations”, XXV International Fall Workshop on Geometry and Physics, CSIC, Madrid, Spain, September 2016.
- “Poisson Manifolds of Compact Types”, Math-Physics Seminar, IMPA, Brazil, June 2016.
- “Symplectic Gerbes”, Joint symplectic geometry seminar (IMPA-PUC-UFF-UFRJ), UFF Rio de Janeiro, June 2016.
- “Classifying Algebroids of G-Structures”, Workshop on the Geometry of Lie Pseudogroups, IME-USP, São Paulo, Brazil, June 2016.
- “Non-commutative Integrable Systems and Isotropic Fibrations”, Math-Physics Seminar, Department of Mathematics, University of Minnesota, April 2016.
- “Symplectic Gerbes”, Gone Fishing Meeting, University of Colorado at Boulder, March, 2016.
- “Riemannian submersions between Riemannian Lie groupoids”, GrupoidFest, AMS Sectional Meeting, University of Memphis, USA, October 2015.
- “Global aspects of Poisson geometry”, Opening Plenary Talk at the 1<sup>st</sup> AMS-EMS-SPM Joint International Meeting, Universidade do Porto, Portugal, June 2015
- “ $\text{Pic}(\mathfrak{g}^*) = \text{OutAut}(\mathfrak{g})$ ”, talk at the Gone Fishing meeting, UC Berkeley, November 2014.
- “Linearization and geometry around leaves”, Workshop on Geometry and Dynamics of Foliations, ICMAT, Madrid, September, 2014.
- “Riemannian metrics on Lie groupoids”, Second Miniworkshop on Poisson Geometry and Related Topics, Universidade de São Paulo, Brazil, June 2014.
- “Poisson manifolds of proper type”, Seminário Simplético - IMPA-PUC-UFF-UFRJ, PUC, Rio de Janeiro, May 2014.
- “Non-commutative Integrable Systems”, AMS Sectional Meeting, Washington University, St. Louis, special session on "Spectral, Index, and Symplectic Geometry", October 2013.

- “Normal forms for regular proper groupoids and symplectic complete isotropic realizations”, Workshop on "Normal forms", University of Utrecht, The Netherlands, February, 2013.
- “Noncommutative Integrable Systems”, Joint Symplectic Seminar Penn-Cornell, Cornell University, Ithaca, USA, October 2012.
- “Lie Algebroids and Classification Problems in Geometry”, talk at the Gone Fishing meeting, UCLA, September 2012.
- “Stability of leaves”, in “BiHamiltonian Systems and all That”, Conference in Honour of Franco Magri’s 65th Birthday, Universidade Bicocca, Milano, Italy, September 2011.
- “A h-principle in Poisson Geometry”, XX International Workshop on Geometry and Physics, Madrid, Spain, September 2011
- “Non-commutative integrable systems”, Workshop on Mathematical Physics, SigmaPhi2011 - International Conference on Statistical Physics, Cyprus, July 2011.
- “Stability of Leaves”, Seminário de Física-Matemática, IMPA, April 2011.
- “The Equivariant Picard group in Poisson geometry”, Conference 'Quantization of Singular Spaces', Center for Quantum Geometry of Moduli Spaces, Aarhus, Dinamarca, December 2010.
- “A universal stability theorem”, Conference Higher Structures in Mathematics and Physics – 2010, Erwin Schrödinger Institute, Vienna, Austria, October 2010.
- “Stability and Lie algebroid Theory”, III Latin American Conference on Lie Groups in Geometry, Universidade de Los Andes, Bogotá, Colombia, July 2010.
- “The Modular Class of a Poisson Map”, AIMS Conference-Special Session in Geometric Mechanics, Dresden, Germany, April 2010.
- “The Equivariant Picard Group”, Séminaire Géométrie des Crochets, Université de Luxembourg, Luxembourg, January 2010.
- “Picard groups of Poisson manifolds”, Centre de Mathématiques Laurent Schwartz, École Polytechnique, Paris, December 2009.
- “Stability of symplectic leaves”, Conference Paulette Libermann, Héritage et Descendance, Institute Henri Poincaré, Paris, December 2009.
- “A geometric approach to Conn’s linearization theorem”, XVIII Oporto Meeting on Geometry, Topology and Physics, Porto, July 2009
- “The Symplectization Functor”, Instituto de Matemática Pura e Aplicada, Rio de Janeiro, Brazil, January 2009.

## CONFERENCE AND SEMINAR ORGANIZATION

- *Poisson Geometry, Lie Groupoids and Differentiable Stacks*, 5 day Workshop at BIRS, Banff, June 2022, main organizer
- *Workshop on Differentiable Stacks and Poisson structures*, SwissMap Research Station, Les Diablerets, Switzerland, February 2022
- *Geometric Structures on Lie Groupoids*, 5 day Workshop at BIRS, Banff, April 2017, main organizer
- *Gone Fishing* – a series of meetings in Poisson Geometry across the USA (UCLA, October 2012, Temple University, October 2013, UC Berkeley, November 2014)
- Poisson 2014 - Poisson Geometry in Mathematics and Physics, Conference and Summer School, UIUC, July 28-August 28, 2014 - main organizer.
- Gone Fishing – a series of short meetings in Poisson Geometry. Meetings in WUSTL (2011), UCLA (2012), Temple University (2013) and UC Berkeley (2014). – co-organizer.
- Alan Weinstein's 70th birthday Conference, EPFL, Switzerland, July 22-26, 2013 – co-organizer.
- Poisson 2010 - Poisson Geometry in Mathematics and Physics, IMPA, Rio de Janeiro, July 20-30 - head of the scientific committee.
- XVI International Workshop on Geometry and Physics, September 5-8, 2007, Instituto Superior Técnico - main organizer
- Poisson Geometry and Applications, Oberwolfach Workshop, Germany, April 29-May 5, 2007 – co-organizer
- EMS Mathematical Weekend, September 12-14, 2003, Fundação Calouste Gulbenkian - main organizer

- Poisson 2002 - Conference on Poisson Geometry, 2-7 September, 2002, Instituto Superior Técnico - main organizer
- Conference on Differential Equations and Dynamical Systems, 26-30 June 2000, Instituto Superior Técnico, co-organizer
- Smooth Ergodic Theory Workshop, 29-31 March 1999, Instituto Superior Técnico, co-organizer
- $\Omega^9$  - Conference on Symplectic Geometry, June 21-26, 1999, Instituto Superior Técnico, co-organizer
- Founder of the “Geometry in Lisbon Seminar” and co-organizer 2001-2003
- Founder of the “Mathematical Physics Seminar” and co-organizer 1995-2000

## GRADUATE AND POSTDOC ADVISING

### Students:

- Yuxuan (Yuki) Zhang, PhD 2022. Software Engineering at Hive
- Joel Villatoro, PhD 2018 Posdoc at KU Leuven
- Daan Michiels, PhD 2018. Quantitative Researcher at G-Research UK
- Hassan Najafi, PhD 2012. Assistant Professor at Universidade Federal de Belo Horizonte
- Juan Pablo Roggiero, PhD 2011. Assistant Professor at Universidade da Baía
- Pedro Frejlich, PhD 2011. . Assistant Professor at Universidade Federal do Rio Grande do Sul
- Ivan Struichner, PhD 2009. Associate Professor at IME-Universidade de São Paulo.

### PostDocs:

- Florian Zeiser, 2022- --- (J.L. Doob Postdoc)
- Ivan Contreras 2016-2018 (J.L. Doob Postdoc), Assistant Professor at Amherst College.
- Ioan Marcu, 2012-2013 (J.L. Doob Postdoc), Associate Professor, Universiteit Nijmegen
- Matias del Hoyo, 2011 - 2012 (FCT Postdoc, IST), Postdoc, IMPA.
- Florian Schaetz, 2009-2011 (FCT Postdoc, IST), Post-doc, Aarhus University
- Olivier Brahic, 2006-2011 (FCT Postdoc, IST), Assistant Professor, Universidade Federal do Paraná
- Oana Dragulete, 2007-2008 (FCT Postdoc, IST)
- Bart Van Steirteghem, 2004-2008 (FCT Postdoc, IST), Assistant Professor, Medgar Evers College, CUNY
- Iakovos Androulidakis, 2001-2002 (FCT Postdoc, IST), Assistant Professor, University of Athens
- Phillipe Monnier, 2002-2004 (FCT Postdoc, IST), Professor, Université Paul Sabatier, Toulouse