

CURRICULUM VITAE

Name: Rui Loja Fernandes **Born:** Coimbra, Portugal, 1965 **Citizenship:** Portuguese

Institutional Address: Departamento de Matemática, Instituto Superior Técnico
1049-001 Lisboa, Portugal

Web Page: <http://www.math.ist.utl.pt/~rfern>

Degrees: “Agregação” (Habilitation), Instituto Superior Técnico, Portugal, 2002
Ph D in Mathematics, University of Minnesota, USA, 1994
M Sc in Mathematics, University of Minnesota, USA, 1991
B Sc in Physics, Instituto Superior Técnico, Portugal, 1988

Current Position: Professor Catedrático (Full Professor), Department of Mathematics,
Instituto Superior Técnico, Lisbon

Appointments:

- 2004 – --- Associate Editor of *Journal of Geometric Mechanics*
<http://aimsciences.org/journals/jgm/index.htm>
- 2005 – --- Member of the Scientific Council of
CIM - Centro Internacional de Matemática: <http://www.cim.pt/>
- 2004 – --- Editor-in-Chief of *Portugaliae Mathematica*
<http://www.ems-ph.org/journals/journal.php?jrn=pm>
- 2010 – --- Head of the Department of Mathematics
Instituto Superior Técnico, Lisbon
- 2008 – 2010 Director of the Graduate Program in Mathematics
Instituto Superior Técnico, Lisbon
- 1995 – 1997 Director of the Undergraduate Program in Mathematics
Instituto Superior Técnico, Lisbon

Awards:

- 2006 Member of the Academy of Science of Lisbon
- 2001 Calouste Gulbenkian Foundation Award for the Basic Sciences
- 1994 University of Minnesota Outstanding Thesis Award

Affiliations:

- Member of European Science Foundation Networks:
 - *CAST – Contact and Symplectic Topology* (2010 - ---) <http://cast.ulb.ac.be/>
 - *MISGAM – Methods of Integrable Systems, Geometry, Applied Mathematics* (2004-09)
<http://www.esf.org/misgam>
- Member of European Research Training Networks:
 - *ENIGMA – European Network in Geometry, Mathematical Physics and Applications* (2005-09) <http://enigma.sissa.it/>
 - *EDGE – European Differential Geometry Endeavor* (1999-2004) <http://edge.imada.sdu.dk/>
- Member of the *Center for Mathematical Analysis, Geometry, and Dynamical Systems* (Portugual Science Foundation Research Unit) since 1994 <http://www.math.ist.utl.pt/cam/>

PhD Students:

- Hassan Najafi, current PhD student at IST (2008--)
- Juan Pablo Roggiero, current PhD student at IST (2007 --)
- Pedro Walmsley Frejlich, current PhD student at IST (2007--)
- Ivan Struichner, Thesis: *The Classifying Lie Algebroid of a Geometric Structure*, PhD Student at UNICAMP, Brasil (2009), Currently pos-doc at Dep. Math., Utrecht University.

Most Relevant Research Papers:

- Crainic, M. and Fernandes, R. L., A geometric approach to Conn's linearization theorem. To appear in *Annals of Math.*
- Crainic, M. and Fernandes, R. L., Stability of symplectic leaves. *Inventiones Mathematicae* **180**, no. 3, (2010), 481-533.
- Fernandes, R. L., Ortega J.P and Ratiu, T., Momentum maps in Poisson geometry, *Amer. J. of Math.* **131**, no. 5, (2009) 1261-1310.
- Damianou, P., Fernandes, R. L., Integrable hierarchies and the modular class, *Annales de l'Institut Fourier*, **58** no. 1 (2008), 107-137.
- Fernandes, R. L. and P. Monnier, Linearization of Poisson brackets, *Lett. Math. Phys.* **69**, (2004) 89-114.
- Crainic, M. and Fernandes, R. L., Integrability of Poisson brackets, *J. Differential Geom.* **66**, (2004) 71-137.
- Crainic, M. and Fernandes, R. L., Integrability of Lie brackets, *Ann. of Math. (2)* **157**, (2003) 575-620.
- Fernandes, R. L., Lie Algebroids, Holonomy and Characteristic Classes, *Adv. in Math.* **170**, (2002) 119-179.
- Fernandes, R. L. and Vanhaecke P., Hyperelliptic Prym Varieties and Integrable Systems, *Commun. Math. Phys.*, **221** (2001) 169-196.
- Fernandes, R. L., Connections in Poisson Geometry I: Holonomy and Invariants, *J. of Differential Geometry*, **54** (2000) 303-366.
- Duarte, P., Fernandes, R. L. and Oliva, W. M., Dynamics on the Attractor of the Lotka-Volterra Equations, *J. of Differential Equations*, **149** (1998), 143-189.
- Fernandes, R. L., Completely Integrable Bi-Hamiltonian Systems, *J. of Dynamics and Differential Equations*, **6** (1994), 53-69.
- Fernandes, R. L., On the Master Symmetries and Bi-Hamiltonian Structure of the Toda Lattice, *J. of Physics A*, **26** (1993), 3797-3803.