

impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Al Momin**, *Max-Planck-Institute for Mathematics In The Sciences*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Cylindrical contact homology on complements of Reeb orbits**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Albert Fathi**, *Ecole Normale Supérieure de Lyon - Unité de Mathématiques*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Smoother critical subsolutions to Hamilton-Jacobi Equation**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Alberto Abbondandolo**, *Università di Pisa*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Chain level computations in Rabinowitz-Floer homology**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Alexandru Oancea**, *Université de Strasbourg*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Reeb chords for fillable Legendrians**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Artur Oscar Lopes**, *Universidade Federal do Rio Grande do Sul*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Piecewise Analytic Subactions for Analytic Dynamics**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Boris Khesin**, *University of Toronto*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**A nonholonomic Moser theorem and diffeomorphism groups**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **David Martinez Torres**, *Instituto Superior Técnico- Universidade Técnica de Lisboa*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Contact isometric embeddings in standard contact spheres.**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Diogo Pinheiro**, *Iseg/Utl-Technical University of Lisbon*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**An asymptotic universal focal decomposition for non-isochronous potentials and some consequences**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Ely Kerman**, *University of Illinois at Urbana-Champaign*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Hofer's geometry, geodesic flows and Maslov class rigidity**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Eva Miranda**, *Universitat Autònoma de Barcelona*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Rigidity for Hamiltonian actions in Symplectic and Poisson**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Gabriel Paternain**, *University of Cambridge*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Symplectic topology of Mane's critical values**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Gonzalo Contreras**, *Centro de Investigacion en Matematicas*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Existence of periodic orbits for convex Lagrangians**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Leo Butler**, *University of Edinburgh*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Exotic tori and complete integrability**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Miguel Tribolet de Abreu**, *Instituto Superior Técnico-Universidade Técnica de Lisboa*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Contact Homology of Toric Contact Manifolds**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Nguyen Tien Zung**, *Université Paul Sabatier - Toulouse*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**On the symplectic geometry of Gelfand-Cetlin system**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Nicolau C. Saldanha**, *Pontifícia Universidade Católica do Rio de Janeiro*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Examples of dynamics of eigenvalue computation**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Otto van Koert**, *Hokkaido University*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Linearized Contact Homology of Connected Sums**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Pedro Antonio Santoro Salomão**, *USP Instituto de Matemática e Estatística*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**On the existence of openbook decompositions for Reeb dynamics on the tight 3-sphere**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Tudor Ratiu**, *Ecole Polytechnique Fédérale de Lausanne*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Integrable flows on the symplectic group and optimal control**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Umberto Leone Hryniewicz**, *Universidade Federal do Rio de Janeiro*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Disk-Like Global Surfaces of Section on Convex 3-Dimensional Energy Levels**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Urs Frauenfelder**, *Ludwig-Maximilians Universitaet Muenchen*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Floer Rabinowitz homology**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ



impa



Workshop on Conservative Dynamics and Symplectic Geometry

We hereby certify that, **Viktor Ginzburg**, *University of California, Santa Cruz*, participated in the “Workshop on Conservative Dynamics and Symplectic Geometry”, held at Instituto de Matemática Pura e Aplicada - IMPA, RJ, from August 03 to 07, 2009 and presented the following work: “**Hamiltonian Systems With Finitely Many Periodic Orbits**”.

Rio de Janeiro, August 07, 2009.

Leonardo Macarini
Organizing Committee

August 03rd to 07th, 2009
IMPA, Rio de Janeiro, Brazil

CERTIFICATE

Support

CNPq

CAPES

FAPERJ

