

CERTIFICATE

We hereby certify that Alberto Abbondandolo participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Systolic inequalities and Reeb dynamics".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Alexander Arbieto participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Aplicações Induzidas".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Ali Messaoudi participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Dynamics of linear operators".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Artem Raibekas participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Tangências e Sistemas Iterados".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Carlos Gustavo T. de A. Moreira participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Geometria fractal e bifurcações homoclínicas".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Claudio Buzzi participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Generic Bifurcations in Refractive Systems".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Daniel Smania participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Generalized Weierstrass functions, linear response problem and central limit theorem".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Dmitry Turaev participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Dynamics near Bonatti-Diaz cycles".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Douglas Novaes participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Chaos induced by sliding phenomena in Filippov systems".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Elismar Oliveira participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Fuzzy attractors of Iterated Function Systems".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Joachim Weber participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Conley pairs and geometry - some examples".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Leandro Cioletti participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Connections between Mathematical Statistical Mechanics and Symbolic Dynamics".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Leonardo Macarini participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Reeb flows with positive topological entropy and connected sums".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Lorenzo Díaz participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Transitive nonhyperbolic step skew-products: Ergodic approximation and entropy spectrum of Lyapunov exponents.".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Luiz A. B. San Martin participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Moment Lyapunov Exponents for i.i.d. Random Products and Semigroups".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Manuel Stadlbauer participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "On the Lyapunov spectrum of relative transfer operators".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Marcel Guardia participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Growth of Sobolev norms in the nonlinear Schrödinger equation".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Michael Hutchings participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Mean action and the Calabi invariant".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Otto Van Koert participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Contact geometry of the unbounded component in RTBP".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Patrícia Cirilo participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Ergodicity for higher dimensional cylindrical cascade".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Paul Schweitzer participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "The existence and structure of generalized Reeb components in codimension one foliations - a generalization of Novikov's Theorem".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Paulo Varandas participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "On the ergodic theory of free semigroup actions".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Rafael Potrie participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Partial hyperbolicity and foliations in 3-manifolds".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Sergio Fenley participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Free Seifert fibered pieces of pseudo-Anosov flows".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Tere Seara participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Regularizations in non-smooth systems".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Thiago Catalan participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "A link between Topological Entropy and Lyapunov Exponents".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Thierry Barbot participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Anosov Representations and Lorentzian Geometry".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Urs Frauenfelder participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Periodic orbits in the restricted three body problem and Arnold's J+ invariant.".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Vilton Pinheiro participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Topological ergodicity and pointwise entropy".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Vinicius Gripp Barros Ramos participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Symplectic embeddings, toric domains and billiards".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins



CERTIFICATE

We hereby certify that Welington de Melo participated in the "IV Escola Brasileira de Sistemas Dinâmicos", held at Hotel Fonte Santa Tereza (Valinhos/SP) and organized by the Research Group on Dynamical Systems of IMECC/Unicamp - Instituto de Matemática, Estatística e Computação Científica - Brazil, from October 03 to 07, 2016, and presented the talk "Rigidity of smooth critical circle maps".

Campinas/SP/Brazil, October 07, 2016.

Prof. Dr. Ricardo Miranda Martins