



CERTIFICATE OF PRESENTATION

I hereby certify that

Abdelmoubine Amar Henni

has presented the invited-talk “Torsion free instanton sheaves on the blow-up of P^3 at a point” in the thematic session “Moduli spaces of sheaves and complexes ” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Adriano Adrega de Moura

has presented the invited-talk “On Prime, Real, and Imaginary Modules for Quantum Affine Algebras” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Alessio Fiscella

has presented the invited-talk “Critical double phase problems” in the thematic session “Recent results in nonlinear PDEs and applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Anderson Adaime de Borba

has presented the invited-talk “Information Fusion to PolSAR Images”
in the thematic session “Mathematical Aspects of Synthetic Aperture
Radar Image Analysis” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Baocheng Zhu

has presented the invited-talk “Dual Brunn-Minkowski theory for unbounded closed convex sets” in the thematic session “Recent Advances and Applications in Integral and Convex Geometric Analysis”

at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Benedito Leandro Neto

has presented the invited-talk “On the geometry of electrovacuum spaces in higher dimensions” in the thematic session “Mathematical problems in general relativity” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Binlin Zhang

has presented the invited-talk “On a critical and singular Kirchhoff-type elliptic equation” in the thematic session “Recent results in nonlinear PDEs and applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Changchang Xi

has presented the invited-talk “Tachikawa's second conjecture, orthogonal modules, and recollements” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

CHAO XIA

has presented the invited-talk “Heintze-Karcher inequality and Alexandrov’s theorem for capillary hypersurfaces” in the thematic session “Recent Advances and Applications in Integral and Convex Geometric Analysis” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

CHAO XIA

has presented the invited-talk “Heintze-Karcher inequality and Alexandrov’s theorem for capillary hypersurfaces” in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Charles Almeida

has presented the invited-talk “Moduli space of torsion free sheaves on projective spaces” in the thematic session “Moduli spaces of sheaves and complexes ” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Claudio Aguinaldo Buzzi

has presented the invited-talk “Stability conditions in a class of refractive partially integrable vector fields” in the thematic session “Dynamical Systems: Qualitative and Bifurcation Theory” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Cristian Mauricio Martinez Esparza

has presented the invited-talk “C-instanton objects” in the thematic session “Moduli spaces of sheaves and complexes ” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Dahisy Valadão de Souza Lima

has presented the invited-talk “Algebraic-Topological Methods in Dynamical Systems” in the thematic session “Dynamical Systems: Qualitative and Bifurcation Theory” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Dapeng Mu

has presented the invited-talk “Stable pairs and connectedness for moduli space of rank 2 sheaves on \mathbb{P}^3 ” in the thematic session “Moduli spaces of sheaves and complexes ” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

David Eugenio Andrade Pérez

has presented the invited-talk “On the CSY equation and its application to freak waves.” in the thematic session “Nonlinear water waves: rigorous analysis and scientific computing” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

EDDYGLEDSON SOUZA GAMA

has presented the invited-talk “Finite Entropy Translating Solitons in Slabs” in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Eduard Toon

has presented the invited-talk “Stability, boundedness and controllability of solutions of measure functional differential equations” in the thematic session “Delay and functional differential equations” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that
Eric Ossami Endo

has presented the invited-talk “Local Central Limit Theorem for Long-Range Models at High Temperatures” in the thematic session
“Probability” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

ERNANI RIBEIRO JUNIOR

has presented the invited-talk “Rigidity of four-dimensional Kähler-Ricci solitons” in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Everaldo de Mello Bonotto

has presented the invited-talk “Periodic solutions for a class of neutral functional differential equations” in the thematic session “Delay and functional differential equations” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Fei Xie

has presented the invited-talk “Derived categories of quadric bundles of relative even dimension” in the thematic session “Moduli spaces of sheaves and complexes ” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Feng Wang

has presented the invited-talk “On the Kahler-Ricci flow on spherical Fano manifolds” in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Frederico Vale Girão

has presented the invited-talk “Positive mass and Penrose inequalities for submanifolds in space forms” in the thematic session “Mathematical problems in general relativity” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Fuke Wu

has presented the invited-talk “Fully-coupled two-time-scale stochastic functional differential equations with infinite delay” in the thematic session “Delay and functional differential equations” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Glaydston de Carvalho Bento

has presented the invited-talk “Fenchel Conjugate via Busemann
Function on Hadamard Manifolds” in the thematic session
“Optimization on Riemannian Manifolds” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Guilherme Silva

has presented the invited-talk “Deformations of point processes and universality” in the thematic session “Probability” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Ingrid Sofia Meza Sarmiento

has presented the invited-talk “Topological classification of the closure of canonical regions on orientable surfaces.” in the thematic session “Dynamical Systems: Qualitative and Bifurcation Theory” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Iryna Kashuba

has presented the invited-talk “A moment map for Jordan algebras” in
the thematic session “Algebraic Representation Theory and
Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Ivan Shestakov

has presented the invited-talk “Free algebras and PI-algebras in non-associative varieties of algebras.” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Jethro William van Ekeren

has presented the invited-talk “Intersections of transverse slices and isomorphisms of W-algebras” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Jin Li

has presented the invited-talk “Tensor valuations” in the thematic session “Recent Advances and Applications in Integral and Convex Geometric Analysis” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Jingbo Dou

has presented the invited-talk “Sharp affine weighted L2 Sobolev inequalities on the upper half space” in the thematic session “Recent Advances and Applications in Integral and Convex Geometric Analysis”

at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Jiong-Yue Li

has presented the invited-talk “Radiation fields for semilinear Dirac equations with spinor null forms” in the thematic session “Mathematical problems in general relativity” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

João Carlos de Oliveira Souza

has presented the invited-talk “An inertial proximal point method for difference of maximal monotone vector fields in Hadamard manifolds” in the thematic session “Optimization on Riemannian Manifolds” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

John William MacQuarrie

has presented the invited-talk “Extensions of algebras and preservation of the finitude of the finitistic dimension” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

José Nazareno Vieira Gomes

has presented the invited-talk “Mean curvature flow in an extended Ricci flow background” in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Juan Camilo Arias Uribe

has presented the invited-talk “Crystal bases and imaginary Verma modules” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Juliano de Bem Francisco

has presented the invited-talk “Nonmonotone feasible arc search algorithm for minimization on Stiefel manifold” in the thematic session “Optimization on Riemannian Manifolds” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Kaye Oliveira da Silva

has presented the invited-talk “Non-compact perturbations of coercive functionals and applications” in the thematic session “Recent results in nonlinear PDEs and applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Keti Tenenblat

has presented the invited-talk “On the self-similar solutions to the curvature flow for curves” in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

KOSTIANTYN IUSENKO

has presented the invited-talk “Controllable Extensions of Algebras” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Lee, Man Chun

has presented the invited-talk “Lipschitz Rigidity Theorem using Ricci Flow smoothing” in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Leonardo Roa-leguizanon

has presented the invited-talk “On the Hilbert scheme of the moduli space of torsion free sheaves on surfaces” in the thematic session “Moduli spaces of sheaves and complexes ” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Li Sheng

has presented the invited-talk “Extremal metrics on Toric manifolds” in the thematic session “Recent Advances and Applications in Integral and Convex Geometric Analysis” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Lizhong Wang

has presented the invited-talk “On varieties of finite groups” in the thematic session “Algebraic Representation Theory and Applications”

at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Luis Enrique Ramirez

has presented the invited-talk “Tableaux realizations of simple highest weight modules” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Luis Fernando Mello

has presented the invited-talk “Global centers of the Kukles systems of degree three on the plane” in the thematic session “Dynamical Systems: Qualitative and Bifurcation Theory” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Lun Zhang

has presented the invited-talk “On the gap probability of the tacnode process” in the thematic session “Probability” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Ma To Fu

has presented the invited-talk “Exponential stability of viscoelastic waves under small delays” in the thematic session “Delay and functional differential equations” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Ma, Dan

has presented the invited-talk “ $SL(n)$ covariant tensor valuations” in the thematic session “Recent Advances and Applications in Integral and Convex Geometric Analysis” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Marcelo Moreira Cavalcanti

has presented the invited-talk “Exponential decay for the quintic wave equation with locally distributed damping” in the thematic session “Recent results in nonlinear PDEs and applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Marcos Tadeu de Oliveira Pimenta

has presented the invited-talk “On a quasilinear elliptic problem involving the 1-laplacian operator and a discontinuous nonlinearity” in the thematic session “Recent results in nonlinear PDEs and applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Maria Eulalia Vares

has presented the invited-talk “Comments on the contact process in dynamic random environments” in the thematic session “Probability”

at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Misha Verbitsky

has presented the invited-talk “Perverse coherent sheaves on hyperkahler manifolds and Weil conjectures” in the thematic session “Moduli spaces of sheaves and complexes ” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Murilo Rodolfo Cândido

has presented the invited-talk “New Averaging Method-Based Techniques for Detecting Periodic Solutions in Dynamical Systems” in the thematic session “Dynamical Systems: Qualitative and Bifurcation Theory” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Ning Zhang

has presented the invited-talk “Uniqueness of 2- dimensional convex bodies by non-central sections” in the thematic session “Recent Advances and Applications in Integral and Convex Geometric Analysis”

at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

ORIZON PEREIRA FERREIRA

has presented the invited-talk “The difference of convex algorithm on Riemannian manifolds” in the thematic session “Optimization on Riemannian Manifolds” at the

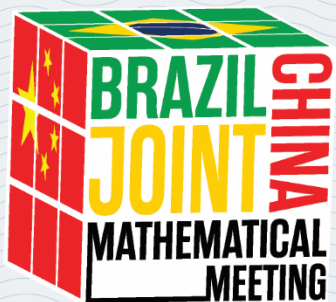
Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Pablo Groisman

has presented the invited-talk “The Kuramoto Model on Random Dynamic Graphs” in the thematic session “Probability” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Pedro Campos Christo Rodrigues Pereira

has presented the invited-talk “Integral manifolds in perturbative systems: an approach via Averaging Theory.” in the thematic session “Dynamical Systems: Qualitative and Bifurcation Theory” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Qun CHEN

has presented the invited-talk “On the existence and uniqueness of Dirac-harmonic maps with curvature term” in the thematic session “Recent Advances and Applications in Integral and Convex Geometric Analysis” at the

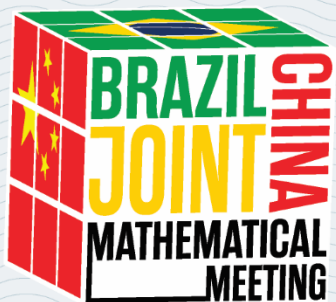
Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Renato Soares dos Santos

has presented the invited-talk “Weakly self-avoiding random walk in a random potential” in the thematic session “Probability” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Roberto Fernandez

has presented the invited-talk “High-temperature cluster expansion for classical and quantum spin lattice systems with multi-body interactions” in the thematic session “Probability” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Roberto Ribeiro Santos Junior

has presented the invited-talk “Flow structure beneath waves with constant vorticity under normal electric fields” in the thematic session “Nonlinear water waves: rigorous analysis and scientific computing” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Ronaldo Freire de Lima

has presented the invited-talk “Weingarten Flows in Riemannian Manifolds” in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Rondinelle Marcolino Batista

has presented the invited-talk “Modified Hawking mass and local rigidity of free boundary surfaces in mean convex three-manifolds” in the thematic session “Mathematical problems in general relativity” at the

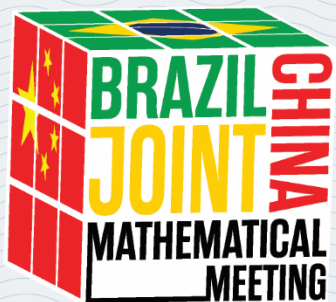
Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Santiago Juan Saglietti

has presented the invited-talk “Tightness of the Cover Time of Wired Planar Domains” in the thematic session “Probability” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

ORGANIZERS



Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Shangjiang Guo

has presented the invited-talk “Equivariant Normal Forms for Semilinear FDEs in Banach Spaces” in the thematic session “Delay and functional differential equations” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that
Tertuliano Franco

has presented the invited-talk “Out of equilibrium joint fluctuations for current and occupation time in the symmetric exclusion process” in the thematic session “Probability” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Tiecheng Xu

has presented the invited-talk “Non-equilibrium fluctuations of the occupation time and current in one-dimensional SSEP” in the thematic session “Probability” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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Paolo Piccione
SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Valéria Neves Domingos Cavalcanti

has presented the invited-talk “The viscoelastic wave equation: well-posedness and asymptotic behaviour” in the thematic session “Recent results in nonlinear PDEs and applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Victor do Valle Pretti

has presented the invited-talk “Bridgeland stability of some even instantons” in the thematic session “Moduli spaces of sheaves and complexes ” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Wanjun Ai

has presented the invited-talk “A Geometric Constructive Proof for the
2D Discrete Minkowski Problem” in the thematic session “Recent
Advances and Applications in Integral and Convex Geometric Analysis”

at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Wei Yuan

has presented the invited-talk “Conformally variational Riemannian invariants and their related topics” in the thematic session “Mathematical problems in general relativity” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Wenshuai Jiang

has presented the invited-talk “Singular set of elliptic equations with weak regular coefficients” in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Wilker Thiago Resende Fernandes

has presented the invited-talk “On the simultaneous existence of centers for some planar differential systems” in the thematic session “Dynamical Systems: Qualitative and Bifurcation Theory” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

XIANG LYU

has presented the invited-talk “Global stability of stationary solutions for a class of semilinear stochastic functional differential equations with additive white noise” in the thematic session “Delay and functional differential equations” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Xin Liu

has presented the invited-talk “Decentralized Optimization Over the Stiefel Manifold by an Approximate Augmented Lagrangian Function” in the thematic session “Optimization on Riemannian Manifolds” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Yilei Tang

has presented the invited-talk “Limit cycles and global dynamics of Li'enard systems with Z_2 -symmetry” in the thematic session “Dynamical Systems: Qualitative and Bifurcation Theory” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Yu Qiu

has presented the invited-talk “Quadratic differentials as stability conditions: collapsing subsurfaces” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Yulin Zhao

has presented the invited-talk “On the number of limit cycles in smooth and piecewise smooth generalized Abel equations” in the thematic session “Dynamical Systems: Qualitative and Bifurcation Theory” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Yun Shi

has presented the invited-talk “Stability of line bundles and deformed-Hermitian-Yang Mills equation for some elliptic surfaces” in the thematic session “Moduli spaces of sheaves and complexes ” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Yuxing Deng

has presented the invited-talk “4D noncollapsed steady Ricci solitons”
in the thematic session “Geometric Flows” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Zelmanov Efim Isaakovich

has presented the invited-talk “Superconformal algebras on affine varieties” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Zhicheng Feng

has presented the invited-talk “Inductive conditions of Alperin weight conjecture” in the thematic session “Algebraic Representation Theory and Applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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SBM President



CERTIFICATE OF PRESENTATION

I hereby certify that

Zhisu Liu

has presented the invited-talk “ p -fractional planar Schrödinger-Poisson systems with exponential nonlinearities” in the thematic session “Recent results in nonlinear PDEs and applications” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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Paolo Piccione
SBM President



CERTIFICATE

OF PRESENTATION

I hereby certify that

Zhoujian Cao

has presented the invited-talk “Gravitational Wave Memory and its stochastic background” in the thematic session “Mathematical problems in general relativity” at the

Brazil-China Joint Mathematical Meeting

held from 17th to 21st of July 2023 in Foz do Iguaçu – PR – Brazil.

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