

C E R T I F I C A T E

We hereby certify that **Carlos Olmos** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Homogeneous Riemannian manifolds with non-trivial nullity.*

São Carlos, August 9th, 2019

Guillermo Antonio Lobos
Chair of the Organizing Committee

Support: FAPESP, CAPES, CNPq Conselho Nacional de Desenvolvimento Científico e Tecnológico, SBM Sociedade Brasileira de Matemática 50 Anos

Organizers: ufscar, DM ufscar, INCTMat, ICMC USP São Carlos



C E R T I F I C A T E

We hereby certify that **Luis Florit** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Extrinsic surgeries for positive scalar curvature.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Felippe Guimarães** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Complete submanifolds with relative nullity.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Oscar Palmas** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Geometry of null hypersurfaces.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Feliciano Vitório** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Prescribing the curvature of Riemannian manifolds with boundary.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Levi Lopes de Lima** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *The positive mass theorem for asymptotically hyperbolic manifolds with noncompact inner boundary and applications.*

São Carlos, August 9th, 2019

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Organizers: ufscar, DM ufscar, INCTMat, ICMC USP São Carlos



C E R T I F I C A T E

We hereby certify that **Marcus A. M. Marrocos** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: On the spectrum of warped products and g-manifolds.

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Ildefonso Castro-Infantes** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *May we nd a minimal surface passing through xed points?*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Boris Vertman** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Resolvent Trace Asymptotics on Stratied Spaces.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **José N. V. Gomes** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *A note on gradient Einstein-type manifold.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Luis J. Alías** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *The principal curvature theorem and its applications to constant mean curvature hypersurfaces in euclidean space.*

São Carlos, August 9th, 2019

Guillermo Antonio Lobos
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C E R T I F I C A T E

We hereby certify that **Véronica López Cánovas** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Trapped submanifolds into a null hypersurface of de Sitter space.*

São Carlos, August 9th, 2019

Guillermo Antonio Lobos
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C E R T I F I C A T E

We hereby certify that **Francisco Fontenele** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Finding umbilics on open convex surfaces.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Marcos Petrúcio Cavalcante** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Lower bounds for the stability index of constant mean curvature Surfaces.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Dirk Töben** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Riemannian Foliations with Positive Curvature.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Adriano Cavalcante Bezerra** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Rigidity of Submanifolds in a Constant Curvature Space.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Paolo Piccione** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Collapse of compact at manifolds and the Yamabe problem.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Allan Freitas** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Volume comparison and Gap Results on the n-dimensional sphere.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Marcos M. Alexandrino** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Mean curvature ow of orbits of isometric actions.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Joeri Van der Veken** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Lagrangian submanifolds of the complex quadric.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Jorge H. de Lira** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Mean curvature ow graphs and solitons in Riemannian products.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Marcos P. Tassi** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Constant Anisotropic Mean Curvature Surfaces.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Alma L. Albujer** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Non-degenerate surfaces with the same Riemannian and Lorentzian mean curvature in a homogeneous space.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Martha P. Dussan** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Timelike Surfaces of the de Sitter space* $S^3_1(1) \subset IR^4$.

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Miguel A. Javaloyes** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Submanifold Theory in Finsler Geometry.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Leonardo Biliotti** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Meromorphic limits of automorphisms.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Ronaldo Freire de Lima** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *On vertical helicoids and mean isocurved hypersurfaces of product spaces.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Abigail Folha** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Entire H-graph in IH × R.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **João Paulo dos Santos** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Reduction of PDEs and applications to geometric problems.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Sérgio Almaraz** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Spacetime positive mass theorems for initial data sets with noncompact boundary.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Stefano Nardulli** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Existence of multiple constant mean curvature boundaries of small enclosed volume in compact Riemannian manifolds.*

São Carlos, August 9th, 2019

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C E R T I F I C A T E

We hereby certify that **Álvaro K. Ramos** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *Moves Preserving hyperbolicity of link complements.*

São Carlos, August 9th, 2019

Guillermo Antonio Lobos
Chair of the Organizing Committee

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C E R T I F I C A T E

We hereby certify that **Walcy Santos** participated in the **Workshop on Submanifold Theory and Geometric Analysis**, held at UFSCar, São Carlos, Brazil, August 5 - 9, 2019, and presented the following **talk**: *The functional L^2-norm of the second fundamental form.*

São Carlos, August 9th, 2019

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