

## ORAL COMMUNICATION

**Applied Differential Geometry**FÁTIMA SILVA LEITE

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**Abstract**

Differential geometry is rich in concepts, structures, and subtle mathematical techniques which can be successfully applied to solve problems in various fields, such as physics, engineering, computer science, medical imaging, and robotics.

This talk will emphasize the interdisciplinary nature of Differential Geometry, while driving the audience through several waypoints of my research path, using a simple language that privileges geometric intuition.

**Keywords** Riemannian Geometry, Lie Groups, Geometric Control, Interpolation on Manifolds

**References**

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