

CERTIFICATE

We certify that **Adriana Washington Henarejos** participated in and presented a poster entitled “**Optimization methods with quadratic cuts for deterministic and stochastic strongly convex optimization problems**” at the **1st Carioca Workshop in Optimization and Applications - CariOPT 2025** held at School of Applied Mathematics of Getulio Vargas Foundation - FGV EMap, Rio de Janeiro, from May 05 to May 07, 2025.

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We certify that **Fredson Silva de Souza Aguiar** participated in and presented a poster entitled “**A Learning-Based MPC Framework with an Evolution Estimator for Epidemic Mitigation**” at the **1st Carioca Workshop in Optimization and Applications - CariOPT 2025** held at School of Applied Mathematics of Getulio Vargas Foundation - FGV EMAp, Rio de Janeiro, from May 05 to May 07, 2025.

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We certify that **Juan Pablo Flores** participated in and presented a poster entitled “**Mixing Times and Privacy Analysis for the Projected Langevin Algorithm under a Modulus of Continuity**” at the **1st Carioca Workshop in Optimization and Applications - CariOPT 2025** held at School of Applied Mathematics of Getulio Vargas Foundation - FGV EMAp, Rio de Janeiro, from May 05 to May 07, 2025.

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We certify that **Oscar Sierra Fonseca** participated in and presented a poster entitled
“**Optimal Control of Control-Affine Systems Under Uncertain Initial Conditions**”
at the **1st Carioca Workshop in Optimization and Applications - CariOPT 2025**
held at School of Applied Mathematics of Getulio Vargas Foundation - FGV EMaP,
Rio de Janeiro, from May 05 to May 07, 2025.

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We certify that **Pablo Barros** participated in and presented a poster entitled
“**Parallelizing the Circumcentered-Reflection Method**” at the **1st Carioca
Workshop in Optimization and Applications - CariOPT 2025** held at
School of Applied Mathematics of Getulio Vargas Foundation - FGV EMaP,
Rio de Janeiro, from May 05 to May 07, 2025.

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We certify that **Ruan Felipe** participated in and presented a poster entitled
“**Unit Commitment Optimization for the Brazilian Electrical Systems**” at
the **1st Carioca Workshop in Optimization and Applications - CariOPT
2025** held at School of Applied Mathematics of Getulio Vargas Foundation -
FGV EMAp, Rio de Janeiro, from May 05 to May 07, 2025.

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We certify that **Wilkreffy Manoel de Sousa Santos** participated in and presented a poster entitled “**An Inexact Boosted Difference of Convex Algorithm for Nondifferentiable Functions**” at the **1st Carioca Workshop in Optimization and Applications - CariOPT 2025** held at School of Applied Mathematics of Getulio Vargas Foundation - FGV EMAp, Rio de Janeiro, from May 05 to May 07, 2025.

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