





CERTIFICATE

We certify that Americo Barbosa da Cunha Junior delivered the talk entitled "The Cross-Entropy Method for Differential Equation-Based Optimization Problems" at the Workshop on Stochastic Modeling and Uncertainty Quantification - SM&UQ 2025, held at the School of Applied Mathematics, Getulio Vargas Foundation - FGV EMAp, Rio de Janeiro, Brazil, from September 18 to 19, 2025.

Hugo de La Cruz

Chair of Organizing Committee









