

CERTIFICATE OF RECOGNITION



BEST PAPER AWARD

presented to

**Luis Antonio Orbegoso Moreno, Edgar David Valverde Ramírez
and Wellington Isaac Paredes Paulini**

Paper Title: **Direct calculation of the jacobian matrix: Leveraging Dual Numbers
in Robot Forward Kinematics**

In the **1st IEEE Colombian Caribbean Conference - C3**,
Barranquilla, Colombia, November 23-25, 2023.

Track: ROBOTICS AND AUTOMATION SYSTEMS

Your dedication and expertise enriched our conference, promoting scholarly achievement.

Paul Sanmartin
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