



Besançon, January 31st, 2023

To whom it may concern

Letter of Recommendation

I, Redwan Dahmouche Associate Professor at Université de Franche-Comté, Head of Automation and Robotics Master's program, and Head of the Robotics, Modelling, and Control research team (RoMoCo) at FEMTO-ST Institute, am pleased to write this Letter of recommendation for Mr. Grover Aruquipa Aruquipa, born on 09.09.1995 in La Paz (Bolivia).

Mr. Aruquipa is developing his Master's research work under my supervision with the topic of *Modeling, analysis and optimization of a novel redundant dexterous parallel robot with two infinite rotations*. So far, he achieved the:

- Modelling and Analysis of a novel redundant parallel robot
- Singularity and dexterity analysis of the robot
- Modeling of unconventional ruby joints for the robot
- Optimization of geometric parameters through genetic algorithms

He is currently preparing a scientific paper covering the theoretical part and working on the mechatronic design of the robot.

Mr. Aruquipa is showing high dedication and discipline, excellent scientific and technical rigor, and is deploying very good technical skills and an elaborated scientific methodology to progress in a fast and efficient way.

Therefore, Mr. Aruquipa is a talented, motivated, and skilled young researcher in the field of parallel robotics. Because of all these reasons, I highly recommend Mr. Grover Aruquipa Aruquipa for a PhD position and research fellowships in the field of robotics.

Sincerely,

Redwan Dahmouche

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