Declaration of Authorship

I, Arturo Pinto Orozco, declare that this thesis titled, "Computational optimization of a MIMO constrained embedded predictive controller implementing a novel software-based architecture" and the work presented in it are my own. I confirm that:

- This work was done wholly or mainly while in candidature for a research degree at this University.

- Where any part of this thesis has previously been submitted for a degree or any other qualification at this University or any other institution, this has been clearly stated.

- Where I have consulted the published work of others, this is always clearly attributed.

- Where I have quoted from the work of others, the source is always given. With the exception of such quotations, this dissertation is entirely my own work.

- I have acknowledged all main sources of help.

- Where the thesis is based on work done by myself jointly with others, I have made clear exactly what was done by others and what I have contributed myself.

Arturo Pinto Orozco
Monterrey, Nuevo León, December, 2019