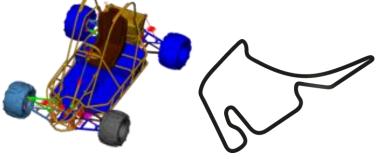
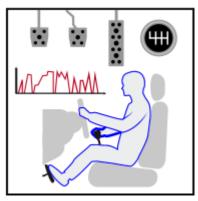
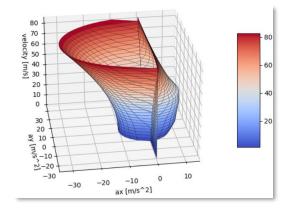
Development and Calibration of a Driver Model for Lap-Time Prediction of a 14-DOF Vehicle GT-SUITE Model

- Supporting companies: GammaTech Engineering (GTE) and Gamma Technologies (GT)
- Start date: March 2025
- Project duration: 6÷8 months
- Site:
 - GTE's offices in Turin
- Compensations: Meals, travel expenses
- Motivations and Project Scope
 - In this MSc thesis project, the student will contribute to the development of a workflow within the GT-SUITE environment aimed at predicting lap-time performance.
 - The focus of the work will be on creating and calibrating an advanced driver algorithm to control both the longitudinal and lateral dynamics of a 14-DOF vehicle model
 - The project will involve various tasks, including calculating the and assessing driver performance on specific circuits
 - G-G diagram for the vehicle, calibrating driver parameters









The advanced driver algorithm obtained through this work will support GT in advancing its lap-time simulation workflow, enhancing both driver performance and vehicle potential usage. This will enable customers to use a single simulation platform for comprehensive vehicle performance development.

