

## ***“Development of a Multibody Model of a Vehicle on a Fatigue Test Bench”***

### **Ducati**

Via Cavalieri Ducati, 3, 40132 Bologna, Italia



**Stefano Verzelli**  
*Structural Analyst*

### **Abstract:**

The purpose of this work is to simulate the behaviour of a vehicle on a fatigue test bench, in order to evaluate the loads acting on the frame and suspension components. Experimental results will be used to validate the model. Once the model will be set up, it'll be used to design new vehicles.

### **Keywords:**

- Fatigue Test Bench
- Loads
- Frame
- Suspension
- Multibody Model