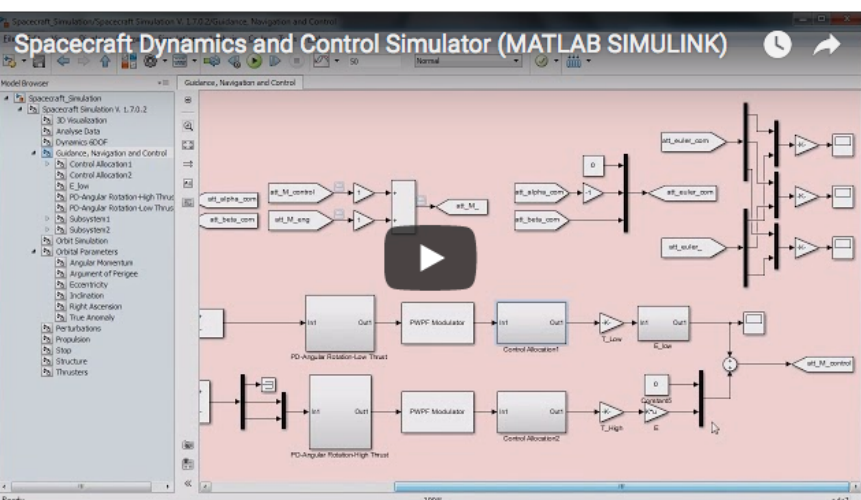


## Abolfazl SHIRAZI, one of the winners of the simulation competition by Mathworks "Simulink Student Challenge 2017"

**Abolfazl SHIRAZI**, PhD Student (La Caixa 2015) within Data Science Research Area - **Machine Learning** has obtained the **second place** of this competition in which each competitor should provide a video which showcases the problem, simulation platform in MATLAB Simulink, and details regarding the simulation capabilities.

**Abolfazl** worked in the field of spacecraft dynamics and control for several years and presented his simulation as "Spacecraft Dynamics and Control Simulator"

This video presents the problem and the entire simulation platform:



2<sup>nd</sup> Place

### Spacecraft Dynamics and Control Simulator

The University of the Basque Country/Basque Center for Applied Mathematics - Abolfazl Shirazi

This flight simulator allows the user to model many aspects of spacecraft design, including a vehicle's structure, propulsion system, and guidance and control system. The Spacecraft Dynamics and Control Simulator then takes your vehicle into orbit, giving impressive 3D visualizations of orbital path and vehicle orientation in an impressive simulation of space flight.

## Abolfazl SHIRAZI, uno de los ganadores del concurso de simulación de Mathworks "Simulink Student Challenge 2017".

**Abolfazl SHIRAZI**, estudiante de doctorado (La Caixa 2015) en el Área de investigación de Ciencia de los Datos - **Machine Learning**, obtuvo el segundo lugar de esta competencia en el que cada competidor debería proporcionar un video que muestra el problema, plataforma de simulación en MATLAB Simulink y detalles sobre la simulación capacidades.

**Abolfazl** trabajó en el campo de la dinámica y el control de naves espaciales durante varios años y presentó su trabajo: "Simulador de control y dinámica de naves espaciales".

Este video presenta el problema y toda la plataforma de simulación.