Rodrigo Ladero García

Industrial Engineer

Professional Profile

Ambitious, energetic and organized Industrial Engineer with experience in power energy control systems. Interested and studious of the current, past and future scientific and technological paradigms. I am excellent in working with other people and I feel very comfortable with presentations in public.

Education

Degree in Industrial Engineering
Automation and Electronics Specialization
Universidad Politécnica de Madrid   2013 - 2019

Master's Degree in Industrial Engineering
Automation and Electronics Specialization
Universidad Politécnica de Madrid   2019 - 2020

Master's Degree in Automation Engineering and Robotics
Universidad Politécnica de Madrid   2019 - 2020

Professional Experience

Internship in Control of Electromechanical Systems for its implementation Geostationary Satellites

Application of algorithms and testing of the scanning mechanism unit SCAU (Scan Assembly Unit) and its electronic unit SCAE (SCAn Assembly Electronics) of Meteosat Third Generation system in collaboration with European Space Agency (ESA)

SENER Aeroespacial   March - September 2019

Summer Internship in Distributed Control Systems for Industrial Processes

Design and implementation of PCS7-based control architectures for energy sector processes

SIEMENS AG   June - September 2019

Internship in Control of Power Plants

Detailed Design, Qualification and Supply of the Central Safety System-Nuclear (CSS-N) for First Plasma of the Nuclear Fusion Facility

Empresarios Agrupados International   September 2019 - At present

Projects

Degree Final Project: Development of an Autonomous Driving Vehicle in collaboration with SEAT

CSIC, CAR-UPM   May 2018 - February 2019

Master's Degree Project: Modeling and control by artificial intelligence of a steam turbine installation for energy production

CAR-UPM   September 2019 – At present

📍   Madrid, Spain

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✉   r.ladero@alumnos.upm.es

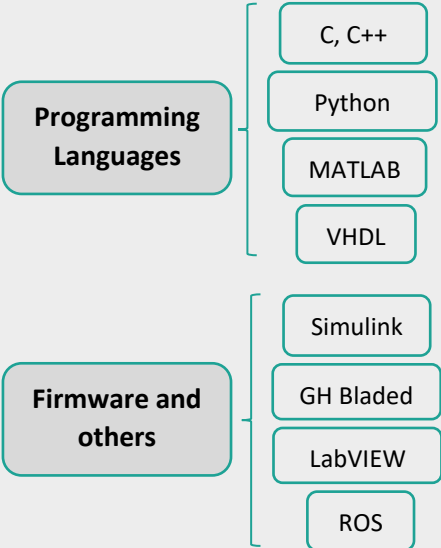**PERSONAL INFORMATION**

Date of Birth   28/01/1995

Nationality   Spanish

LinkedIn
www.linkedin.com/in/rodrigo-ladero

LANGUAGES

Spanish   Native speaker

English   Advanced level C1

French   Basic level B1

German   Currently studying

SOFTWARE SKILLS

Programming Languages
- C, C++
- Python
- MATLAB
- VHDL

Firmware and others
- Simulink
- GH Bladed
- LabVIEW
- ROS

COURSES AND OTHERS

Artificial Intelligence for Robotics
Georgia Institute of Technology

Member of European Students of Industrial Engineering

Sustainable Urban Freight Transport
Delft University