

Lecturer

Name: Marta Zamorano Garzón

Name for daily/classes use: Marta

Academic Background: Mechanical Engineering

Field of Specialization: PhD Student (Mechanical Engineering and industrial organization), Mechanical Engineering Department (2017-)

Employer: Universidad Carlos III de Madrid

Previous Positions: Research fellow in Mechanical Engineering Department (2016-2017)

Contacts: mazamora@ing.uc3m.es

CV: <https://es.linkedin.com/in/marta-zamorano-garz%C3%B3n-890a53113>

Lecturer

Name: Sergio Fuentes del Toro

Name for daily/classes use: Sergio

Academic Background: Industrial Engineering

Field of Specialization: Teaching and Research Staff

Employer: Universidad Carlos III de Madrid

Previous Positions: Key Account Manager

Contacts: sfuentes@ing.uc3m.es

List of recent/ Relevant Publications: Experimental Analysis of the Clutch Pedal in the Driver Position

CV: www.linkedin.com/in/sergiofdt

Lecturer

Name: Jonatan Pajares Redondo

Name for daily/classes use: Jonatan

Academic Background: Bachelor's Degree in Industrial Electronics and Automation Engineering and Master in Mechanical Engineering and Transportation

Field of Specialization: PhD student in Mechanical Engineering

Employer: Universidad Carlos III de Madrid

Previous Positions: Researcher in Electronics Engineering Department

Contacts: jopajare@ing.uc3m.es

CV: <https://es.linkedin.com/in/jonatan-pajares-redondo-6aab96b9>

Lecturer

Name: Eduardo Corral Abad

Name for daily/classes use: Eduardo

Academic Background: Ph.D. In Mechanical Engineering

Field of Specialization: research group MAQLAB: <http://www.maqlab.org/es/>

Employer: Universidad Carlos III de Madrid

Previous Positions:

Contacts: ecorral@ing.uc3m.es

List of recent/ Relevant Publications:

- The kinematics of the rotary into helical gear transmission (2016)
Mechanism and Machine Theory
- Analysis of the influence of crack location for diagnosis in rotating shafts based on 3 x energy (2016)
Mechanism and Machine Theory
- Kinematics and dynamics of the quasi-passive biped "PASIBOT" (2011)
Journal of Mechanical Engineering, University of Ljubljana.
- Forward and Inverse Dynamics of the Biped PASIBOT (2014)
International Journal of Advanced Robotic Systems.
- A quasi-static approach to optimize the motion of a UGV depending on the track profile (2014)
Solid State Phenomen Vol 220.221. Switzerland.

CV: https://www.researchgate.net/profile/Eduardo_Corral

<https://orcid.org/0000-0003-1636-6093>

Lecturer

Name: Héctor José Muñoz Díaz

Name for daily/classes use: Héctor

Academic Background:

- Degree in Mechanical Engineering. Universidad Carlos III de Madrid.

- Master on vehicles and machines. Universidad Carlos III de Madrid.

Field of Specialization: 3D printing applications. Automotive and machines.

Employer: PDI in Universidad Carlos III de Madrid.

Contact: hemunozd@inst.uc3m.es

CV: www.linkedin.com/in/héctor-josé-muñoz-díaz-aa0694b8

Lecturer

Name: Carolina Álvarez Caldas

Name for daily/classes use: Carolina

Academic Background: Ph.D. In Mechanical Engineering

Field of Specialization: research group MECATRAN: [MECATRAN WEB](#)

Employer: Universidad Carlos III de Madrid

Contact: calvarez@ing.uc3m.es

CV: <https://researchportal.uc3m.es/display/inv20107>

List of recent/ Relevant Publications:

- Influence of anodized depth on fatigue life for bicycle cranks. (2018)

Engineering Failure Analysis

- Determining the stress distribution in a bicycle crank under in-service loads. (2016)

Experimental Techniques

- Material characterization for FEM simulation of sheet metal stamping processes. (2014)

Advances in Mechanical Engineering

- Procedure to verify the suspension system on periodical motor vehicle inspection. (2013)

International journal of vehicle design

- Analysis of Dynamic Systems Using Bond Graph and SIMULINK. (2013)

1st International Symposium on the Education in Mechanism and Machine Science (ISEMMS 2013)

Lecturer

Name: Jon Goitia Hernández

Name for daily/classes use: Jon

Academic Background: Bachelor of Science in Electronic Engineering and Automation in Universidad Carlos III de Madrid

Field of Specialization: Power electronics and power supply design specialization

Employer: 3D Printing Technical Director – BQ (Madrid)

Previous Positions:

- Hardware Design Engineer – BQ (Madrid) Dec. 2013 – Dec. 2015

- Founder – LEAPto3D (Madrid) May 2012 – Dec. 2013

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