



MANUEL RAMOS

MECHANICAL ENGINEER

EDUCATION

2013-2018

MECHANICAL ENGINEERING

Institución Universitaria Pascual Bravo
Medellin-Antioquia-Colombia

2016-2

COURSE OF TRIBOLOGY

Universidad Nacional de Colombia
Medellin-Antioquia-Colombia

2017-1

COURSE OF FAILURE ANALYSIS

Universidad Nacional de Colombia
Medellin-Antioquia-Colombia

2017-1

COURSE OF INDUSTRIAL TRIBOLOGY

Universidad Nacional de Colombia
Medellin-Antioquia-Colombia

IDIOMAS

Español Nativo

Inglés Nivel B1 Intermedio

REFERENCIAS

ALEJANDRO TORO

Associate professor, Department of Materials,
Universidad Nacional De Colombia- Medellin
Phone: + 57-4-4255339
Email: aotoro@unal.edu.co -altoro44@gmail.com

LUIS OLMOS

MSc. Mechanical Engineering
Phone: +57 3008104437
Email: luis.olmos@pascualbravo.edu.co

ABOUT ME

Mechanical Engineer with 2 years of experience in research with projects in science of materials and tribology.

With skills for teamwork, addicted to science and technology and sports.

OBJECTIVE: find a job to improve my professional skills



Medellín, Antioquia -Colombia



+57 3012916015



ma.ramos@pascualbravo.edu.co



LinkedIn: www.linkedin.com/in/manuel-ramos-b4b29215a

EXPERIENCE

PROJECTS IN RESEARCH GROUPS

Effect of surface preparation on the adhesive-cohesive strength of coatings applied by atmospheric plasma spray onto stainless steel.

The project was based on the repair of components of turbines like the Francis and the Pelton looking for a way to extend the life of these components by using ceramic coating methods like atmospheric plasma spray; The main function was based on finding a way to prepare the surface of the substrate to guarantee a correct adhesion and optimal behavior. Other functions were: Drawing mechanical parts in CAD programs, perform experimental designs for experimental tests under Norma, interpret experimental data as material resistance.

February 2016- August 2017

Evaluation of the surface activation of stainless steels using sandblasting and mechanized for the application of coatings covered by atmospheric plasma spray (APS).

The project also based on the repair of components of turbines like Francis and Pelton but this time looking for the best way to activate a surface either using machining tools or sandblasting; the main function was based on finding the best way to activate the surface of the substrate energetically taking into account the forces of Van der Waals. Other functions were: Designing 3D models in CAD programs, scheduling projects and activities in Project.

February 2016- August 2017

RESEARCH GROUPS

GTS Tribology and Surfaces Research Group Universidad Nacional De Colombia (Medellín)

Alejandro Toro Faculty of Mines National University of Colombia Medellín Campus Telephone: + 57-4-4255339, E-mail: aotoro@unal.edu.co

Research Group GIEN Institución Universitaria Pascual Bravo (Semillero R3)

María Isabel Ardila Telephone: +57 (4) 4480520 ext: 1283

TECHNICAL SKILLS

SOLIDWORKS



AUTODESK INVENTOR



MATLAB



RESEARCH



MECHANICAL DESIGN



SOCIAL SKILLS

