

**Rodrigo Antonio
Cáceres González**

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EDUCATION

Georgia Institute of Technology

PhD in Mechanical Engineering

Atlanta, GA
August 2018 -
Present

Diego Portales University

Master degree in Engineering sciences, Industries mention

Thesis: Thermodynamic analysis for a data center cooling system

Relevant coursework: Thermoeconomics, Solar Systems, Renewable Energies
Applied Optimization.

Santiago, Chile
2014-2016

Diego Portales University

Industrial Civil Engineering

Relevant coursework: Thermodynamics, Fluid Mechanics, Stochastics models,
Optimization.

Santiago, Chile
2010-2016

Universitat Jaume I

International Exchange between January and July

Castellon de la
plana, Spain
2013

ACADEMIC PROFILE

Lecturer at Diego Portales University Engineering Faculty

Workshop "Future of energy: Efficiency, generation and sustainability", which is
part of Diego Portales University's talent attraction program.

August 2017

Lecturer at Diego Portales University Engineering Faculty

Industrial Processes (Thermodynamics) course.

Sept. 2016 to
July 2018

**Undergraduate teaching assistant at Universidad del Desarrollo
(UDD) Engineering School.**

Course: Stochastics models.

Sept. 2016 to
July 2018

Research assistant:

Thermo-fluid laboratory at Diego Portales University under direction of Andrés
Díaz Alarcón Ph.D.

Mar. 2014 to
July 2018

**Graduate teaching assistant at Diego Portales University
Engineering Faculty**

Courses: Thermoeconomics (I-2015), Heat Transfer (II-2015), Engineering in
clean production and technologies (I-2016).

2014-2016

**Undergraduate teaching assistant at Diego Portales University
Engineering Faculty**

Courses: Thermodynamics, Production, Finance, Strategic management,
Stochastics processes, Mechanics, Probability and statistics.

2013-2016

Research assistant

"Development of an analyze tool for data centers performance based on first and
second thermodynamics law" from professor Andrés Díaz Alarcón, Diego
Portales University.

2014

PUBLICATIONS

Díaz, A. J., Cáceres, R., Cardemil, J. M., & Silva-Llanca, L. (2017). Energy and exergy assessment in a perimeter cooled data center: The value of second law efficiency. *Applied Thermal Engineering*, 124, 820-830. (<https://doi.org/10.1016/j.applthermaleng.2017.06.066>)

Rodrigo Cáceres, Andrés Díaz

Análisis Exergético del Sistema de Enfriamiento de un Data Center. Abstract for XIV Computational mechanics sessions 2015, Session notebook, vol 13, pp 305.

CONFERENCES

Andrés Díaz, **Rodrigo Cáceres**, Gisella Neves

Evaluation of the impact of energy efficiency actions in Chilean data centers, *Data Center Converged*, Espacio Riesco, Chile, 2015.

Rodrigo Cáceres, Andrés Díaz

Análisis Exergético del Sistema de Enfriamiento de un Data Center, in XIV Computational Mechanics Sessions, Concepción, 2015

AWARDS AND SCHOLARSHIPS

Doctorate funding scholarship

CONICYT PFCHA/DOCTORADO BECAS CHILE/2018 -72190312

Fulbright scholar

Program: Foreign Fulbright Chile CONICYT, 2018.

WORKSHOPS

Workshop *Transportation Venice* which objective was obtaining a proposal for sustainable transport in three key point of Venice city. Organized jointly by Diego Portales University and IUAV university. Workshop made in Venice, Italy, 2014.

SKILLS

- Software: EES, SQL, MATLAB.
- Design: Photoshop, Illustrator.
- Advanced level computational domain in office suite.
- Languages: Spanish (Native), English good level (104/120 TOEFL)