

# Claudia Garrido Martins

## Contact

The University of New Mexico  
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## Education

### Ph.D. Engineering

The University of New Mexico (UNM),  
USA, 2019

### M.S. Civil Engineering

Universidade Federal Fluminense  
(UFF), Brazil, 2010

### M.B.A. Economics and Financial Engineering

Universidade Federal Fluminense  
(UFF), Brazil, 2006

### B.Eng. Industrial Electrical Engineering Emphasis Electronics

Centro Federal de Educação  
Tecnológica Celso Suckow da Fonseca  
(CEFET/RJ), Brazil, 1996

## Professional Summary

- Accomplished **engineer** with **20+ years of experience** in both Brazil and the U.S., spanning diverse sectors such as **consulting, higher education, and software development**.
- Proficient in **project management, risk management, and technology**, with a track record of success across various industries, including **construction, oil & gas, government, manufacturing, telecommunications, and mining**.
- Demonstrates **strong analytical skills** and a **systems thinking approach**, having contributed to **15+ capital projects, software development, and 3+ research projects**. Proficient in using tools for **analysis, programming, simulation, optimization, and decision-making support**.
- Adaptable and culturally aware, combining **curiosity, lifelong learning, dependability, attention to detail, and leadership influence**. Passionate about teaching and mentoring.

## Work Experience

**Lecturer III** | The University of New Mexico (USA)  
AUGUST 2024 – CURRENT

- Teaching of **construction management courses**, for undergraduate and graduate students, including Cost Estimating, Project Controls, and BIM.

**Assistant Professor (tenure-track)** | The University of North Carolina at Charlotte (USA)  
JANUARY 2022 – DECEMBER 2023

- Developed grant proposals and applied research methods related to **construction management**, resulting in **4 peer-reviewed publications** and **1 conference publication**.
- Supervised **1 PhD student** and taught **247 undergraduate students, 53 graduate students, and 4 construction management courses**.

**Consultant** | Self-employed (Brazil)  
AUGUST 2019 - DECEMBER 2021

- Developed **technical proposals, management procedures, and training materials**.
- Provided **recruitment support**.

## Professional Certifications

### Project Management Professional (PMP)

Project Management Institute, 2003

**Microsoft Certified Professional  
(MCP)** Visual Interdev e SQL Server 6.5  
Microsoft, 1998

## Skills

Analytical thinking • Systems thinking • Creative thinking • Project management • Risk management • Teaching and mentoring • Dependability and attention to detail • Resilience • Service orientation and customer service • Leadership • Reading and writing communication (Native Portuguese, fluent English, and basic Spanish) • Curiosity and lifelong learning • Software (Programming, Databases, Operational systems, Scheduling, Data analysis, Simulation, Decision-making support)

**Instructor (graduate program)** | Instituto de Pesquisa Educação e Tecnológica – IPETEC (Brazil)  
FEBRUARY-MARCH-APRIL 2020

**Graduate Assistant /Research Assistant** | The University of New Mexico (USA)  
JANUARY 2016 - JULY 2019

- Developed and implemented **1 PhD thesis** and **2 research projects** in the **construction and engineering education** domains.
- Achieved **5 conference publications** and contributed to the training of **15+ K-12 teachers** in the field of **sustainability**.
- Instructed **12 graduate students**, taught a **graduate construction management course**, and provided grading assistance for **5 undergraduate class sections**.

**Project Management Consultant** | ATNAS Engenharia (Brazil)  
NOVEMBER 2012 - JULY 2015

- Supported project management, construction planning, and control for **11 oil & gas capital projects** (including drilling rig units, shipyards, and floating production units) with a total value exceeding **US\$ 5.6 billion**.
- Collaborated with the **engineering management department** and the **engineering general management department**.
- Led **project risk identification**, analysis, and **project scheduling monitoring** and control.

**Project Management Consultant** | Planave S.A. - Estudos e Projetos de Engenharia (Brazil)  
JUNE 2010 - NOVEMBER 2012

- Provided project management support, construction planning, and control for **4 oil & gas capital projects**:
  - **Fixed production unit**
  - **Gas treatment plant construction and expansion**
  - **Headquarters building**
- Supported management projects valued at over **US\$ 1.0 billion** for the **engineering management department**.
- Conducted **project risk** identification, analysis, **scheduling** monitoring, control, and **financial** auditing.

**Instructor (graduate program)** | Universidade Federal Fluminense (Brazil)  
AUGUST 2010, MARCH-APRIL 2014

**Senior Consultant** | Accenture (Brazil)  
AUGUST 2003 - JUNE 2010

- Designed and implemented **project management processes** and **offices** for **5 service and business areas** (Engineering, E&P, Refining, Petrochemical, and Project Development) in **oil & gas** and **mining companies**.

## Publications and Media

1 Technical book  
6 Scientific articles  
9 Conference papers  
5 Guest appearances in Podcasts  
and Webinars

## Volunteer Activities

**Manuscript reviewer of 5+ journals**  
**VP of Professional Development (Deputy)**  
Project Management Institute, RJ  
Chapter, 2003-2004

## Hobbies

Swimming • Cycling • Hiking • Reading

- Supported management of **80+ projects** ranging from approximately **US\$ 56 million to US\$ 8.3 billion**.
- Led project risk identification, analysis, change order negotiation, financial impact studies, project schedule analyses, and project auditing.
- Provided **team leadership**, managed resources, and oversaw operations for **2 projects** (each with fewer than 8 team members).
- Conducted **internal project management certification training** and mentored **8 individuals**.

### **Project Manager** | Norsul Participações e Empreendimentos (Brazil)

JANUARY 2003 - APRIL 2003

- Managed the development of **online training** (valued at approximately **US\$ 75 thousand**):
- For the **Marketing department** of an international tobacco company.
- For the **HR and Operations departments** of a call center company.
- Led a **multidisciplinary development team** consisting of **16 people**.

### **Project Coordinator** | MHW-Modern High-Tech Web (Brazil)

OCTOBER 2000 - JANUARY 2003

- Coordinated small teams (each with fewer than 5 people) involved in **software and online training development**.
- Developed **functional specifications** and **test routines** for **learning management systems** and **people development systems** for international companies in the technology and tobacco industries.

### **Consultant/Software Developer** | TBA Informática (Brazil)

AUGUST 1997 - OCTOBER 2000

- Led 2 small **software development teams** (each with **3 people**).
- Engaged in **software development** for **3 Brazilian government companies** and **1 telecommunication company** using various programming languages and relational databases.

### **Software Developer** | PIX Projetos em Informática (Brazil)

APRIL 1996 - JULY 1997

- Developed software for **production control** in **4 lingerie manufacturing company production areas**.
- Utilized a **visual programming language** and a **relational database**.