

Fernanda Bezerra Tomaduci Imamura

Fernanda has a MSc degree from the University of Campinas and is currently a PhD student in geotechnical engineering at the University of Alberta. She has worked as an engineer in Brazil for almost 10 years and managed to earn her MSc while working. Fernanda's passion for geotechnical engineering is demonstrated through her dedication and work ethic.

Education

- **PhD student in Geotechnical Engineering**

University of Alberta, Edmonton, AB, Canada

September 2018 – present

Research area: Performance of cross laminated timber (CLT) in basement walls

Expected date of completion: August, 2022

Supervisor: Dr. Lijun Deng

- **Master's Degree**

M.Sc., Civil Engineering – Geotechnical engineering and Structures

State University of Campinas, Campinas, Brazil

2017

Thesis: "Bearing Capacity of piles using Ménard pressuremeter in tropical soils"

Supervisor: Dr. Paulo José Rocha de Albuquerque

Conference Publications

- Analysis of soil parameters obtained by correlations from Ménard Pressuremeter and laboratory tests. 15CNG/8CLBG 15^o Nacional Geotechnical Congress, Porto, Portugal, 2016.
- Evaluation of the lateral friction of pre-cast pile with Ménard Pressuremeter parameters. XVIII Brazilian Congress of Soil Mechanics and Geotechnical Engineering (COBRAMSEG), Belo Horizonte, Brazil, 2016.

Conference presentation

XVIII Brazilian Congress of Soil Mechanics and Geotechnical Engineering (COBRAMSEG), 2016.

Employment

Civil Engineer – Design Engineer

January 2010 to July 2018

Damasco Penna Engenharia Geotécnica, São Paulo, Brazil

Design in geotechnical engineering:

- Foundation design (shallow and deep foundations)
- Retaining wall design
- Earthwork design
- Urban drainage system design

Volunteer work

- University of Alberta Canadian Geotechnical Society Student Chapter - information officer

The Canadian Geotechnical Society (CGS) Student Chapter is a group of graduate students at the University of Alberta who are all enthusiastic members of the geotechnical community within Alberta and Canada. Each individual comes from a different background with a varied skill set, but all are aligned in the belief that students at the University of Alberta would greatly benefit from an approachable student-managed group of like-minded individuals.