Personal Dates

Firstname	Celal
LASTNAME	**CAKIROGLU**
Date of Birth	23.01.1985
Address	PO Box 52201, Garneau
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Nationality	Turkey

Education and Qualifications

Begin/ end	September 2008 – March 2011
University	**Technical University of Braunschweig, Germany**
Subject	Computational Sciences in Engineering
Degree earned	Master of Science
Begin/ end	October 2005 – September 2006
University	**Technical University of Dresden**
Subject	Civil Engineering
Begin/ end	September 2003 – June 2008
University	**Istanbul Technical University**
Subject	Civil Engineering
Degree earned	Bachelor of Science

Current Research Area

01/2012 – present

University of Alberta,

Department of Civil and Environmental Engineering,

Ph.D. student by the development of a new methodology for the tensile strain capacity prediction of vintage X52 energy pipelines with flawed girth welds. For this purpose full scale experiments with Enbridge NPS 12 Norman Wells pipe under internal pressure and axial tensile loading as well as fracture toughness experiments to determine the material properties of the pipe are performed.

Work Experience

01/2012 – current	**University of Alberta**
	Department of Civil and Environmental Engineering,
	Research Assistant: Experimental and Numerical Analysis of the Tensile Strain Capacity of X52 Steel Pipes.
09/2013 – 12/2013	Teaching Assistant: Strength of Materials
10/2010 – 04/2011	**German Aerospace Center (DLR)**, Braunschweig,
	Institute of Composite Structures and Adaptive Systems ,
	Master Thesis: Comparison of linear and nonlinear methods for the buckling analysis of composite structures using the FE – Software Abaqus.
04/2010 – 09/2010	**Siemens AG**, Nuernberg,
	Drive Technologies Department,
	Internship: Geometry modeling and meshing, flow dynamics simulation using Gambit, Tgrid and Ansys Fluent.
03/2006 – 04/2006	**Technical University of Dresden**,
	Institute of Soil Mechanics and Foundation Engineering,
	Student Assistant by Earth Pressure Experiments.

Additional Skills

Language skills	Turkish – native
	English – fluent
	German – fluent
PC skills	C/C++, Fortran, Python, Matlab,
	Ansys Mechanical, Ansys Fluent, Gambit, Tgrid, Abaqus, AutoCAD,
	MS Office, VBA (Macro Programming with Excel), Latex, Scripting under Linux

Awards and Commitment

10/2005 – 09/2006	Awarded Erasmus Scholarship
09/2011	Awarded University of Alberta Doctoral Recruitment Scholarship
05/2012	Cloud Technician at the Canadian Society of Civil Engineering Conference 2012
09/2012	Session Aide Lead at the International Pipeline Conference 2012