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|  | **Personal Dates** |
| **Firstname** | Celal |
| **LASTNAME** | **Cakiroglu** |
| Date of Birth | 23.01.1985 |
| Address | PO Box 52201, Garneau  T6G 2T5 Edmonton, Alberta |
| Country | Canada |
| **Mobile** | 001-780-3949489 |
| **E-mail** | cakirogl@ualberta.ca |
| Nationality | Turkey |
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|  | **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 |
| 01/2012 – present | **Current Research Area**  **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  09/2013 – 12/2013  10/2010 – 04/2011 | **University of Alberta**  Department of Civil and Environmental Engineering,  Research Assistant: Experimental and Numerical Analysis of the Tensile Strain Capacity of X52 Steel Pipes.  Teaching Assistant: Strength of Materials  **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 |
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| 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  09/2011  05/2012  09/2012 | Awarded Erasmus Scholarship  Awarded University of Alberta Doctoral Recruitment Scholarship  Cloud Technician at the Canadian Society of Civil Engineering Conference 2012  Session Aide Lead at the International Pipeline Conference 2012 |