MD Aminul Islam

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EDUCATION

MAY 2018 (TENTATIVE)	**Master of Science in Civil Engineering** Boise State University, Boise, Idaho **Concentration**: Analysis of Micromechanical behavior of Concrete **Advisor**: Dr. Yang Lu **GPA**: 3.88/4.0
DEC. 2013	**Bachelor of Science in Civil Engineering** Ahsanullah University of Science and Technology (AUST), Dhaka, Bangladesh **Advisor**: Dr. Abdul Halim **GPA**: 3.94/4.0 [**Class Position** : 1/98]

EXPERIENCE

AUG. 2016 - CURRENT	**Graduate Research Assistant** MicroMechanics & Smart Infrastructure Lab • Processing X-ray CT images • Data Analytics (Analysis of pavement roughness data to correlate standard data collection device to low cost devices) • Simulating behavior of concrete in a Multiphysics Environment
SEP. 2014 - MAY 2016	**Lecturer** Dhaka International University • Teaching undergraduate courses • Worked as a committee member of graduate course assessment
DEC. 2013 - MAR 2014	**Construction Project Site Engineer** Memorial Christian Hospital Renewal Project • QC of raw materials and mixed concrete • Updating structural designs and layouts • Managing project progress report

JOURNALS AND ARTICLES

- Md. Aminul Islam, Aidin J. Golrokh, Yang Lu. **Coupled Thermo-Hydro- Mechanical Simulation of Concrete Interfacial Transition Zone**. Proceedings of the inaugural World Transport Convention, Beijing, China, June 4-6, 2017. (Conference)

- Yang Lu, Aidin J. Golrokh, Md. Aminul Islam. **Concrete Pavement Service Condition Assessment Using Infrared Thermography**. Advances in Materials Science and Engineering, https://doi.org/10.1155/2017/3829340.

- Md. Aminul Islam, Aidin J. Golrokh, Yang Lu, **Chemo-mechanical Modeling of Sulfate Attack-induced Damage Process in Cement Stabilized Pavements**
Submitted to: ASCE Journal of Mechanics [Under Review]

Ongoing Projects

- *"Pavement Roughness Measurement Using Mobile Apps"* - A project funded by Idaho Transportation Department

Scholarships and Certificates

Jul. 2016, Jul. 2017	Gem Scholarship
Jul. 2016, Jul. 2017	Graduate Residential Scholarship Program
2009-2013	Deans List of honor
2009-2013	Full Free Tuition Award

Computer Skills

Simulation Software:	Comsol Multiphysics, Abaqus
Programming Language:	C, C++, Matlab, Python, Visual basic, LaTeX

Leadership

Treasurer	Association of Bangladeshi Students BSU
Vice President	AUST Civil Engineering Society
General Secretary	AUST Civil Engineering Society