



Guy Bou Lahdou - Design Engineer

APPLICABLE CREDENTIALS:

Engineer in Training –E.I.T. (State of Michigan)

EXPERIENCE:

August 2014 - Present
Design Engineer
Irrigation Consulting, Inc.
Pepperell, Massachusetts

January 2013 - June 2014
Research Assistant
Department of Agricultural & Biological Engineering, Purdue University
West Lafayette, Indiana

October 2011 – October 2012
Research Assistant
Qatar Energy & Environment Research Institute, Qatar Foundation
Doha, Qatar

July 2011
Engineering Intern
Associated Consulting Engineers (ACE)
Beirut, Lebanon

June 2010 – August 2010
Research Intern
Lyles School of Civil Engineering, Purdue University
West Lafayette, Indiana

September 2009
Surveying Intern
Mr. Maroun Fahed, Professional Surveyor
Lebanon

EDUCATION:

M.S. Environmental & Water Resources Engineering (2014)
Purdue University

B.S. Civil & Environmental Engineering (2007-2011)
American University of Beirut

COMPUTER SKILLS:

AutoCAD 2015
MS Office Applications, Latex
Programming Languages: MATLAB, Python, C++
ArcGIS, ERDAS
HEC-RAS, HEC-HMS, HEC-GeoHMS, EPANET

PROFESSIONAL ACTIVITIES:

Member, Environmental & Water Resources Institute, American Society of Civil Engineers
Member, Water Environment Federation
Member, American Society of Soil Science

PUBLICATIONS:

Braudeau EF and Mohtar RH (2014) A framework for soil-water modeling using the pedostructure and Structural Representative Elementary Volume (SREV) concepts. *Front. Environ. Sci.* 2:24. doi: 10.3389/fenvs.2014.00024 (Acknowledgement)

Bou Lahdou, G. (2014). Systematic Analysis of Drainage Events in Free Draining and Managed Subsurface Drainage Systems (Purdue Masters thesis).

“Drainage water management effect on soil moisture, drain flow, and overland flow”. Poster presented at the Resilient Agriculture: Adapting to a Changing Climate Conference, August 5-7 2014, Iowa State University, Ames, IA

“Toward a better understanding of the water flow dynamics under drainage water management”. Poster presented at 34th Annual Indiana Water Resources Association Spring Symposium “The State of the State’s Waters”, June 19-21 2013, Ball State University, Muncie, IN, USA

“Reclaiming Traditional Water Conservation Practices in Rural South Lebanon”, Paper Submitted and Presented at the Tenth Faculty of Engineering and Architecture Student Conference, May 18-19 2011, American University of Beirut, Beirut, Lebanon

LANGUAGES:

English (Full Professional Proficiency)
French (Full Professional Proficiency)
Arabic (Native)