

# HANAN ABOU ALI

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## Education

- **University of Delaware** Newark, DE  
*PhD, Geography and Spatial Sciences* September 2020 – present
- **Idaho State University (Fulbright scholarship grantee)** Pocatello, ID  
*MS, Geographic Information Science* August 2016 – October 2018
- **Lebanese International University** Rayyak, Lebanon  
*BS, Surveying Engineering* September 2013 – June 2016

## Experience

- **Instructor, School of Engineering** Beirut, Lebanon  
*Lebanese International University* September 2019 – June 2020
- **Remote Sensing and Research Assistant** 2018 – 2019  
*Delparte Labs, Idaho State University*  
Pocatello, ID
- **Surveying Engineering Internship** Summer 2015  
*Hammoud Establishment for Trading & Contracting*  
Anjar, Lebanon

## Computer Skills

- Mapping Software
  - ArcMap, QGIS, ArcGIS Pro, AutoCAD, Civil 3D
- Image Processing
  - ENVI, SNAP, AgiSoft, Pix4D
- Imagery Datasets Experienced with
  - Planet, Sentinel-2, Landsat, Lidar, UAS
- Programming Languages
  - Python, JavaScript, C++
- Microsoft Office
  - Word, Excel, PowerPoint, Access

## Publication

- **Abou Ali, H.**, Delparte D., & Griffel, L.M. (in review) “PlanetScope Imagery for Crop Monitoring and Yield Forecasting in Idaho.”
- Abboud, M., Nasrallah, M., Issa, M., Moussa, H., **Abou Ali, H.** (2020) “Establishing a Three-dimensional Model and Digital Documentation of Beaufort castle by using GPS, 3D Laser Scanning and Digital Photogrammetry”

- **Abou Ali, H.,** Delparte D., & Griffel, L.M. (2019) "From Pixel to Yield: Forecasting Potato Productivity in Lebanon and Idaho" Pecora 21 proceedings, Baltimore, 2019.
- **Abou Ali, H.,** Delparte D., & Griffel, L.M. (2017) "Utilizing Sentinel-2 Satellite Imagery for Precision Agriculture over Potato Fields in Lebanon." Pecora 20, Sioux Falls, 2017.  
*[https://www.asprs.org/a/publications/proceedings/Pecora20/Abou\\_Ali\\_H.pdf](https://www.asprs.org/a/publications/proceedings/Pecora20/Abou_Ali_H.pdf)*

## Conferences

- **FIG Working Week 2020**  
*Amsterdam, the Netherlands: May 2020 [online]*  
**Presentation:** "Establishing a Three-dimensional Model and Digital Documentation of Beaufort castle by using GPS, 3D Laser Scanning and Digital Photogrammetry"
- **Pecora 21 (ASPRS)**  
*Baltimore, MD: October 2019*  
**Presentation:** "From Pixel to Yield: Forecasting Potato Productivity in Lebanon and Idaho"
- **Intermountain GIS (Northern Rockies Chapter)**  
*Boise, ID: March 2019*  
**Presentation:** "Using High Resolution Satellite Imagery for Potato Crop Management and Yield Prediction"
- **Pecora 20 (ASPRS)**  
*Sioux Falls, SD: November 2017*  
**Poster:** "Utilizing Sentinel-2 Satellite Imagery for Precision Agriculture over Potato Fields in Lebanon"

## Training

- **Udemy Online Courses**  
*Spring 2018*
  - Microsoft Excel: Pro Tips for Power Users
  - Complete Guide to TensorFlow for Deep Learning with Python
- **ArcGIS Online Courses**  
*Esri: 2016-2019*
  - Going Places with Spatial Analysis
  - Introduction to Regression Analysis Using ArcGIS Pro
  - Performing Spatial Interpolation Using ArcGIS
  - Basics of JavaScript Web Apps
  - Getting Started with the Geodatabase
  - Getting Started with Geodatabase Topology
  - Creating and Sharing GIS Content using ArcGIS Online
  - Sharing 3D Content using Scene Layer Packages
  - Telling Your Story with Esri Story Maps
- **SNAP for Sentinel-2**  
*Pecora 20: November 2017*
- **Certified Associate in Project Management Preparation Course**  
*AMIDEAST, Lebanon: April 2014*