



FIELD NOTES

Welcome to Field Notes, the USofAZ monthly eNewsletter.

The purpose of this publication is to inform you about news surrounding surveying and other like disciplines, spur lively conversation and provide opportunities for continuing education. It is intended to be brief, informative, and easy to navigate.

As is with everything we do at USofAZ, it's about YOU!

Your feedback about Field Notes is always welcome.

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USofAZ, EVIT, & ABA PARTNER TO LAUNCH SURVEY ASSISTANT APPRENTICESHIP PROGRAM

FACT: The average age of a Licensed Land Surveyor in the United States is 56 years old! The average age of a Registered Land Surveyor in Arizona is 60!

FACT: In 2008 there were 61 new Registered Land Surveyors in Arizona...in 2015 there were 22!

FACT: Arizona has NO post-secondary education requirement to become a registered land surveyor, NO post-secondary survey specific program to offer those interested in becoming a land surveyor, NO continuing education requirement for registrants and some of the lowest

entrance standards in the country!

We have a real opportunity to “turn the tides” and start to do something about this dire situation our profession is in. East Valley Institute of Technology (EVIT) and the Arizona Builders Alliance (ABA) have agreed to partner with USofAZ to develop a Land Surveyor Assistant Apprenticeship Program. This program would consist of two 2-year tracks with the first being an Instrument Operator Certificate and the second a Party Chief Certificate. Students will also be required to complete an aggressive amount of on-the-job-training (OJT) for each certificate.


Additional certifications such as the NSPS CST program will be introduced throughout the course syllabi allowing students to achieve those credentials as well.

The core curriculum has already been developed, the facilities have been secured on the EVIT main campus and there is funding available to anyone interested in entering the program.

More information will be forthcoming regarding this golden opportunity to make a difference in the future of our profession.

ITS GOING TO TAKE ALL OF US TO MAKE IT A SUCCESS!!

If you are interested in being on the advisory committee, possibly be considered for a paid instructor position or just simply want to know more, please contact Kent Groh at kgroh@bowmanconsulting.com



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AERIAL MAPPING NEWS

Drone usage expected to triple by 2020

Drones are about to fill the skies.

The Federal Aviation Administration said last week that it expects 2.5 million drones to be in use in the U.S. by the end of 2016, and it expects that number to triple to more than 7 million by 2020, reports Daily Mail.

The FAA expects consumer drones to grow from 1.9 million at the end of 2016 to 4.3 million by 2020. In that same period, the administration expects commercial drone usage to grow from 600,000 to 2.7 million.

Enterprise drone adoption will depend heavily on the FAA's upcoming drone regulations, which it



plans to release in the spring. The U.S. currently lags behind Europe and Asia in commercial drone adoption because of regulatory hurdles.

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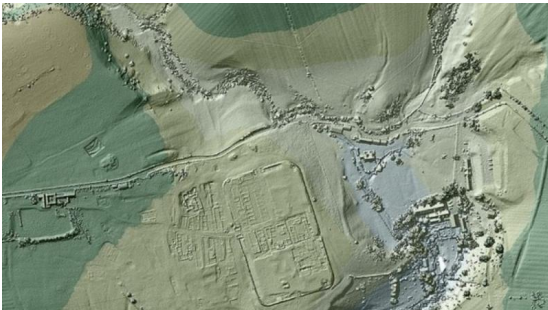
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SCANNING NEWS



The Scanning Industry's biggest Conference is coming up soon!


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U.S. Institute of Building Documentation signs Memorandum of Understanding with ACEC Council of Professional Surveyors

U.S. Institute of Building Documentation (USIBD) founding member Joseph Romano of Langan Engineering & Environmental Services and ACEC Council of Professional Surveyors (COPS) Steering Committee president Ralph W. Guida, of Guida Surveying signed a Memorandum of Understanding (MOU) at the ACEC winter Conference in Phoenix, AZ. The MOU will provide the members of both organization access to standards, training, and certification processes that will aid in the advancement of spatial documentation.

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GIS NEWS

Unmanned aircraft systems take off in GIS

Modern approaches to airborne imaging provide flexibility and efficiency in GIS data acquisition. Aerial imagery has long been a staple of GIS. By providing viewpoints from high above the ground, aerial images enable people to understand the geographic context of individual features. Orthoimages developed from aerial photographs routinely serve as background maps of terrestrial data for numerous GIS applications. GIS analysts use photogrammetry to develop terrain models and measure specific objects or features. Airborne remote sensing using infrared wavelengths supports GIS in the study of vegetation and thermal characteristics of natural or built objects.

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