



FIELD NOTES

US of AZ Monthly eNewsletter

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SAVE THE DATE!
JULY 23th 2016

FIRST ANNUAL SURVEY GAMES!

In honor of the Summer Olympics, we are hosting our OWN
Survey Games

Fun for the whole family! Get out of the heat and join us in Prescott, AZ

Saturday, July 23th -- Watson Lake

We are working on the details, so watch for more info coming soon

Survey Games Logo Contest
Design our official Survey Games Logo

Send entries to admin@usofaz.org



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UPDATE: SURVEYOR APPRENTICESHIP PROGRAM TO LAUNCH

The East Valley Institute of Technology (EVIT) in partnership with the Arizona Builders Alliance (ABA) and The United Surveyors of Arizona (USOFAZ) offer a Surveyor Assistant Apprenticeship.

The term of apprenticeship requires eight (8) periods of training with 1000 work hours and 72 class hours in each period.

The formal apprenticeship training is registered and approved by:

- The US Department of Labor (DOL) State of Arizona Apprenticeship Advisory Committee (DES)
- National Center for Construction, Education & Research (NCCER)

Upon successful completion, apprentices are recognized at the journey-level in their trade and are awarded their Journeyman certificates as well as other nationally recognized and portable credentials.

USDOL — Certificate of Completion of Apprenticeship (journeyman card)

State of Arizona — Apprenticeship Completion Certification

NCCER — Certificate for each level of training completed

East Valley Institute of Technology (EVIT) — Certificate of Completion

College Credit*

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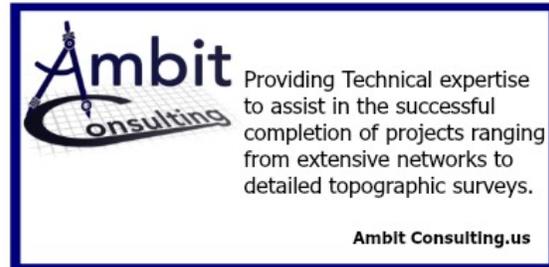
Surveyor Assistant Apprenticeship Advisory Council

Dana Klett - Chairperson

Kent Groh - Vice Chair

Doug Toney - Secretary

Interested in Getting Involved? Contact us!



SURVEY NEWS



Surveying Forum

Summary Report

The Survey Forum was conducted on January 22, 2016 at the Westin, San Diego in the Opal Conference Room.

The purpose of the meeting was to discuss the future of Surveying, with the specific task assigned to the committee that the meeting was being held to develop and recommend a plan of action to reduce the diminishing number of surveyors. Participating organizations were carefully reviewed and key organizations and their leaders were invited.

The response from those invited was excellent, with nearly every invited professional in attendance, or with a designee in attendance. The participants were constantly engaged and worked continually throughout the day to accomplish the goals. Within the room, there was

SURVEYING: A PROFESSION FACING A GLOBAL CRISIS?

J. Hannah¹, J. Kavanagh², R. Mahoney³ and F. Plimmer⁴

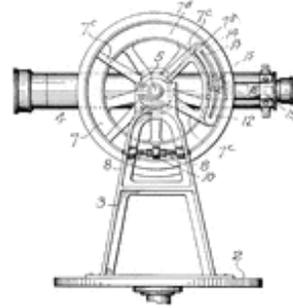
It has been clear for some time, at least in part from the evidence presented at a number of FIG events, that the surveying profession is heading for a global crisis. The profession is changing and the number of competencies in which surveyors are actively involved now numbers over 200.

Different parts of the world report a range of major problems, including low student numbers, closure of surveying courses, an aging teaching profession, inadequate job opportunities and the challenge of new technologies within both education content and delivery and, most damaging of all, non-specialist data uses. Combined with key policy drivers such as the EU Directive(s) on Professional Qualifications, InSpire, Galileo and national policy initiatives (such as the Marine Bill in the UK), the profession is presented with a historic opportunity to 'shuffle' off the chains of measurement and adapt to new markets.

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continual evidence of dedication to the purpose and true passion for the future of surveying

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GIS NEWS

How can modern satellites photos possibly be accurate to 20 centimeters in 10 kilometers?

By Gerry Mitchell, P.Geo, President [PhotoSat](#)

May 5, 2016 - My intuition rebels at the notion that a satellite orbiting 750 kilometers above the earth, traveling at 7 kilometers per second could possibly take photos of the ground accurate to 20 centimeters in 10 kilometers. When I realize that these satellites have scanning cameras which take their photos like [push brooms](#), with the north end of the photo taken a few milliseconds before or after the south end, and that the whole satellite is vibrating while the photos are taken, my mind boggles. It just does not seem that such high accuracy should be possible. The satellite photos themselves, checked with tens of thousands of ground survey points, clearly demonstrate that the [accuracy](#) is real.

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