

WEDNESDAY, FEBRUARY 20, 2019

12:00-1:00 Registration

1:00-3:00 Welcome/Opening Ceremonies, UCL and other Happenings (Ballroom ABCD)

Break

3:30-5:00 Open Discussion from Utah' Ombudsman Office, **Brent Bateman** (Ballroom ABCD)

- Various topics: Land Use and Development, Eminent Domain, Mediation and Arbitration, Conditional Uses, Easements, Rights-of-Way, Subdivision, etc.

3:30-5:00 Minor Land Division Regulations Mohave County, Arizona, **Jason Foose** (Sunbrook ABC)

- To educate and expose Arizona's common state regulations of land divisions within Mohave County as they experience reviews from those outside of Arizona that do not reflect their adopted regulations. Jason's goal is to bring awareness to those registered in Arizona of these regulations.

THURSDAY, FEBRUARY 21, 2019

7:00-8:00 Late Registration and Hot Breakfast (Garden Room)

8:00-10:00 Risk Management for Surveyors, **Gary Kent** (Ballroom ABCD)

- This course is designed to help educate surveyors to the realities of liability in their practice. The program will review liability that surveyors necessarily incur as part of their practice and how they can mitigate their exposure. Sources of unnecessary surveyor liability will also be explored by exposing the things that surveyors inadvertently or unwisely do that increase their liability. In all cases, steps that surveyors can take to eliminate or at least mitigate their exposure will be outlined.

8:00-10:00 Identifying and Locating Roads, **Devron Andersen** (Sunbrook ABCD)

- Many roads in Utah have a long history and a short paper trail. Surveying next to them can be a challenge when it comes to identifying their status and locating their extents. This presentation will focus on the laws, cases, and rules that have been in place regarding roads and how they have changed over time, from territory days to the present.

8:00-10:00 UDOT – Right-of-Way Design, **James Olschewski** (Entrada ABC)

- No Description Provided

8:00-10:00 FAA Part 107 Remote Pilot License Review, **Logan Campbell** (Auditorium)

- This is a **prep course only** and the person wanting to take the FAA Part 107 Exam will need to schedule, pay for, and sit for the exam at an FAA-approved Knowledge Testing Center after the conference.

Break

10:30-12:00 Risk Management for Surveyors, **Gary Kent** (Ballroom ABCD) ...continued

10:30-12:00 Three Half's, Jason Foose (Sunbrook ABC)

- Three Half's is a presentation aimed at land surveyor's, attorney's, title professionals, and public employees engaged in land title related fields. The presentation is designed to expose attendees to seemingly contradictory decisions by three unique courts. In each case the courts were requested to evaluate the term "half" in a legal description. The presentation examines the unique evidence in each case and leads the attendee to understand why and how each court arrived at each decision. Published decisions will be provided to attendees as well as the original published articles from The American Surveyor.

10:30-12:00 Accuracy and Precision, Tim Kerr and Peyton Hatch (Entrada ABC)

- This session provides an overview of accuracy and precision as it relates to modern surveying equipment and measurement systems. This starts with a quick review on the basic concept of accuracy, precision, and error theory. The remainder of the discussion will focus on how these principles apply to the total station measurements. We will end with a quick look at the impact of combining GNSS and total station measurements. Participants will leave with a practical understanding of how these issues impact the product provided to their client, as well as how to achieve the most precise result while still maintaining a maximum of efficiency and productivity.

10:30-12:00 FAA Part 107 Remote Pilot License Review, Logan Campbell (Auditorium)

...continued

Lunch – New Officer Announcement/Surveyor of the Year Award (Garden Room)

1:30-3:00 The Surveyor's Judicial Role, Gary Kent (Ballroom ABCD)

- This program will help professional surveyors think outside the box and accept an expanded role in boundary determinations. Only two persons can truly resolve a disputed boundary or title problem. Those persons do not include attorneys, title companies or surveyors. And, in a sense, they do not even include judges and juries - at least not of their own volition. This program explores the role that the professional surveyor can, and arguably should, take in helping property owners establish or maintain their common boundary in the location that they were perfectly satisfied with - at least until the surveyor showed up! We will look at the role of the surveyor as related to boundaries, not only from a statutory standpoint, but also as eloquently expressed by Thomas Cooley in his seminal 1881 treatise "The Judicial Function of Surveyors." As a part of this, we will review the dynamic that exists between matters of title and matters of survey, including a close look at title insurance. We will also review several examples that demonstrate the problem and offer an alternative to what is often the standard approach by surveyors. We will outline a new approach that has the surveyor helping property owners avoid the expense and angst of unnecessarily litigating boundaries when there has been acquiescence to an accepted line by both owners.

1:30-3:00 Three Half's, Jason Foose (Sunbrook ABC) ...continued

1:30-3:00 NGS/NOAA Update, **Bill Stone and Dan Gillins** (Entrada ABC)

- Topics may include the following, general NGS update * modernizing the National Spatial Reference System in 2022 - New Reference Frames/Datum & new State Plane Coord System * publishing static and RTK GNSS and leveling surveys with OPUS-Projects * perhaps an update on the GPS on Bench Mark campaign

1:30-3:00 FAA Part 107 Remote Pilot License Review, **Logan Campbell** (Auditorium) ...continued

Break

3:30-5:00 The Surveyor's Judicial Role, **Gary Kent** (Ballroom ABCD) ...continued

3:30-5:00 Three Half's, **Jason Foose** (Sunbrook ABC) ...continued

3:30-5:00 NGS/NOAA Update, **Bill Stone and Dan Gillins** (Entrada ABC) ...continued

3:30-5:00 FAA Part 107 Remote Pilot License Review, **Logan Campbell** (Auditorium) ...continued

FRIDAY, FEBRUARY 22, 2019

7:00-8:00 Late Registration and Hot Breakfast (Garden Room)

8:00-10:00 Health and Safety in Surveying, **Gary Kent** (Ballroom ABCD)

- Survey field crews are routinely exposed to a wide variety of environmental and societal factors that compromise their safety. These can range from diseases such as Lyme disease to poisonous plants like Giant Hogweed, and from confined space issues to construction-related hazards such as working in, on or around excavations and scaffolding. In this program, we will explore several the primary safety hazards that field crews encounter and how to recognize them by maintaining a constant awareness of one's surroundings. We will also review some of the primary safety-related metrics that clients may look at as part of their process of selecting a surveyor, and steps companies and employees can take to help control them. Finally, we will outline a variety of good practices that companies should maintain in order to help their employees get home safely each night.

8:00-10:00 From Drone to Linework, or: so you have Thousands of Photos...Now What?, **Logan Campbell** (Sunbrook ABC)

8:00-10:00 AGRC & GPS Network Update, **Sean Fernandez** & MMRC County Corner Reference Sheets, **Gary Ratcliff** (Entrada ABC)

- What's new with TURN GPS Network? (**Sean Fernandez**) – This presentation will provide information on the modernization, expansion, and proposed station coordinate updates for 14 of the 96 stations in the GPS Network, a global navigation satellite system (GNSS) network of permanently located GPS receivers installed across the state to generate real-time, high accuracy GPS positioning. We will also discuss the goal of the State Automated Geographic Reference Center (AGRC) to provide a 100 percent GNSS solution from the entire network and an update on AGRC's progress for this task. Finally, to better understand the GPS Network in action, we'll discuss how UDOT, which is

heading up the State's Air Mobility Committee, wants to use the GPS Network to provide precise positioning for drones.

County Surveyors - PLSS Monument Reference Sheets (**Gary Ratcliffe**) - Do you currently perform contracted county-related work involving section corner identification/recovery? Do you anticipate this type of work in the future? If so, this presentation is for you. We'll be discussing the involvement of the county surveyors in the Monument Replacement and Restoration Committee (MRRRC), including details on what the committee expects and offering some helpful advice on protecting the PLSS infrastructure. We'll also talk about the importance of meeting all the requirements for monument field collection and following the process for submitting monument reference sheets to the county and the State Automated Geographic Reference Center (AGRC). We'll end the presentation by addressing the anticipated future of the program, including how to help improve the quality of the Public Land Survey System (PLSS).

Break

10:30-12:00 Health and Safety in Surveying, **Gary Kent** (Ballroom ABCD) ...continued

10:30-12:00 Strip and Gore, **James Kaiserman** (Sunbrook ABC)

- This presentation will follow property, from aliquot parts, to a subdivision and address left by the wayside parcels that are gathered up later to complete the subdivision.

10:30-12:00 Utah Easements, **Mark Gregersen** (Entrada ABC)

- The law of easements, rights of way, and other non-possessory interests * Definitions, types, solar easements * Creation by express grant, implication, necessity, prescription. Stranger to the deed * Scope, change of conditions, location problems, uses by servient estate * Transfer and termination

Lunch – Lifetime Achievement Award (Garden Room)

1:30-3:00 Leadership: "Anyone Could Lead Perfect People", **Gary Kent** (Ballroom ABCD)

- ... But there aren't any! This presentation will explore the severe lack of leadership we seem to experience so often in today's society. There is obviously a relentless deficiency of statesmanship in our politics, and unfortunately, we frequently find the same in our business 'leaders.' We sometimes appear to be on a rudderless path when it comes to leadership. Why is this and what will it take to right the direction that we feel ourselves headed in? And how does all of this play in the typical for-profit business? A number of exceedingly successful and high-performing companies such as Starbucks and Southwest Airlines practice a particular model of leadership that may be one answer to the dilemma. Southwest founder Herb Kelleher stated years ago, "Your employees come first. If your employees are satisfied and happy and dedicated and inspired by what they are doing, then they make your customers happy and they come back. Profit is a by-product." This program will explore what this means as we look at the symptoms, causes and cures for this societal dilemma.

1:30-3:00 Three Mile Method of Surveying & PLSS, **Jerry Allred & Dan Webb** (Sunbrook ABC)

- The three-mile method of subdividing the sections of the Public Land Survey System is one of great importance. Being able to recognize, understand and retrace these previous surveys is as essential as understanding the standard protraction method of subdivision. Performing a proper retracement will, as in other survey, ensure the protection of the rights of the current and future title holders of such lands.

1:30-3:00 Making a Difference by Bridging the GAP, **James Dahl** (Entrada ABC)

- At one time on our life we made a decision which put us on the professional career path we are on today. At times trying to combine our career and personal life feels like there is a gap with no way to connect to both. This presentation will provide an understanding of who to bridge that gap so that we can be successful in obtaining balance in both our professional and personal life. By bridging the gap, we will be “making a difference.”

Break

3:30-5:00 Auction – Raffle – Closing Ceremonies