

REGULAR SESSIONS

Thursday, January 24, 2013

8:30 – 9:30am **Certified Technician Program Overview**
Russell Howard, GA RLS 3238

The Survey Technician Certification Program is an NSPS Sponsored program and is recognized by the US Dept of Labor as part of the National Apprenticeship Program. The program has four levels of certification (1 through 4) and two main tracks (field and Office). Certification is by examination and experience. Certification as a survey technician is official recognition by NSPS that a person has demonstrated that he or she is minimally competent to perform surveying tasks at a specified technical level. Certification provides the individual with a sense of achievement since it reflects advancement in the field of surveying. Certification also provides employers with a method of determining job assignments and advancement since certification is an indication of one's ability to perform specific job tasks.

Russell Howard, GA RLS 3238 is a 1993 graduate of Pickens County High School and graduated from Georgia Southern University in 1999 with a Bachelor's Degree in Anthropology with an emphasis in Archaeology. After working in archaeology for several years, he then began to further his career in surveying. He later returned to school and subsequently acquired a surveying certificate from Southern Polytechnic State University and has been a Registered Land Surveyor since 2010. Russell is Owner and President of R.W. Howard Surveying, Inc. and is an active member in the Foothills Chapter. He has served as a Chapter Representative and currently serves as SAMSOG's Certified Survey Technician (CST) representative and sits on the SAMSOG Board of Directors. Russell enjoys work, coaching Little League Baseball and enjoys playing golf and spending time with his family. He lives in Jasper, GA with his wife Nicole, and their two sons, Sean and Stephen.

10:00 – 11:00am **Expanding Degree Options for a Surveying & Mapping Program**
Matt Wilson, GA RLS 2728

The poor economy in the construction and development sector has similarly negatively affected enrollment in a traditional land surveying program. Shifts in curriculum to reflect the mapping segment have been taken to increase enrollment. Separate degree tracks (from land surveying), certificates and a Masters level program have been developed to support the mapping equation of GIS. Faculty development and industry input have been implemented.

Matt Wilson, GA RLS 2728 is currently a Professor and Program Coordinator for the Surveying and Mapping degree in the Civil Engineering Technology Department at Southern Polytechnic and State University in Marietta, GA. He is a Registered Land Surveyor in the State of Georgia.

11:00am – noon **A National Presence for Professional Surveyors**
Curt Sumner, NSPS Executive Director

This session will discuss the history of the National Society of Professional Surveyors (NSPS) as the representative for the surveying profession to the U.S. Congress and federal agencies, its support of state surveying society activities, and as the voice of the professional surveyor in discussions and actions within the geospatial community. NSPS is working with the respective state surveying societies in an attempt to build a stronger national presence for the profession through connecting state society membership and national society membership employing a dramatically reduced membership fee for the national society.

Curt Sumner is the Executive Director of the National Society of Professional Surveyors (NSPS) whose mission is serving the interests of professional surveyors nationwide and in their relationships internationally. He is a primary point of contact and liaison for the surveying profession with numerous national and state organizations in the geospatial community and the U. S. Congress, and is a member of the NSPS/ACSM Delegation to the International Federation of Surveyors (FIG). He also serves on the Surveying Curriculum Advisory Committee at Troy University in Alabama.

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11:00am – noon A National Presence for Professional Surveyors, continued

Mr. Sumner serves as the NSPS/ACSM Delegate to the Coalition of Geospatial Organizations (COGO) whose purpose is to increase dialog among a variety of interest groups, and diminish discord among them on issues affecting them respectively. He served as COGO Chair in 2010. As a long-time member representing NSPS on the ALTA/ACSM Land Title Survey Requirements Committee, he has joined his fellow committee members in the development of upgrades made to these standards, including the 2011 version. Prior to his appointment as NSPS (and ACSM) Executive Director in 1998, Sumner was the NSPS Governor representing the Virginia Association of Surveyors for the years 1987-1994, serving as Chair of the Board of Governors in 1992 and 1993. He served as NSPS President during the 1997-1998 term. In 2006, he was named by *Professional Surveyor Magazine* to be among the Top 25 Most Influential individuals in the surveying profession during the first 25 years of the magazine's existence. He is a licensed professional surveyor in Virginia and Maryland.

1:00 – 3:00pm Computing Positional Accuracies for GNSS Measurements Mark White, RLS 4613

Georgia technical standard 180-7-.09 Global Positioning Systems Part D calls for a note that discloses the precision of the GPS work done, either in relative positional accuracy, vector closure, or other mathematical expression chosen by the Land Surveyor. This course covers the process for computing positional accuracy for GNSS measurements by utilizing the Federal Geographic Data Committee Part 3: National Standards for Spatial Data Accuracy. The course will cover a field data collection workflow to calculating positional accuracy from OPUS reports, base/rover RTK and network RTK and also how to create a spreadsheet to help automate the process.

Mark White, GA RLS 4613, is a Land Surveyor by trade and training manager for the Geomatics Division of Duncan-Parnell. He has worked with GPS and robotics over the last 14 years and the last 7 years as a full time factory authorized trainer and technical support specialist. His surveying experience includes building and heavy highway construction, boundary and topographic surveys, GPS control surveys, and DOT engineering surveys. Mr. White has taught both static and RTK GPS surveying classes, along with conventional and robotic surveying classes, to a broad range of clients including military personnel, DOT's, municipalities and private surveyors.

3:30 – 5:30pm Web and Mobile Software Applications for Surveyors Ron Pate, GA RLS 2807 and Peter Sanchez

Many software applications are available to the surveyor that can increase safety, efficiency and quality of the end product. During this two hour presentation we will explore the use of primarily free web and mobile mapping application. We will focus on web based applications during the first portion with mobile applications (primarily Android based) to follow. Emphasis will be placed on Google Earth and its Keyhole Markup Language (KML). Basics of Google Earth (downloading, setting, etc.) will be demonstrated. File creation with step by step instructions using various software, including ArcGIS, AutoCAD, MicroStation and Google Earth & Map, and uploading to a mobile platform will be demonstrated. Bing Maps and other mapping resources such as NGS, GIS and other web resources will be reviewed. A brief overview of Windows 8 and its impact will also be discussed. Other "cool" non-survey/mapping applications plus social media may be "touched on" as time allows.

Ron Pate, GA RLS 2807 is a regional manager with McKim & Creed in Lawrenceville, Georgia. He is a registered land surveyor and engineer-in-training with almost 25 years of combined engineering and surveying experience. Ron is also licensed as a surveyor in NC, SC, FL and AL. Ron graduated from Southern Polytechnic State University (SPSU) with a degree in civil engineering technology with options in transportation and surveying. He holds a GIS certificate from Gainesville State College. He has been involved with all types of surveying, subsurface utility engineering (SUE) and mobile mapping projects, and is skilled in field data processing and deliverable development using CAICE, InRoads and MicroStation software packages. He is the past president of SAMSOG's Gwinnett Chapter.

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Thursday, January 24, 2013, continued

3:30 – 5:30pm **Web and Mobile Software Applications for Surveyors, continued**

Pete Sanchez is a geomatics technician specialist in McKim & Creed's Lawrenceville, Georgia office. He is a graduate of Southern Polytechnic State University (SPSU) with a degree in surveying and mapping, and has 15 years' experience with all types of surveying assignments. He has worked on projects ranging for subdivision design/layout to mobile mapping projects. He worked as a lab assistant during his time at SPSU. Pete is an LSIT and is very well versed in Civil 3D. He is helping current SPSU students with Civil 3D. Pete is the current Gwinnett Chapter State Representative for SAMSOG.

REGULAR SESSIONS
Friday, January 25, 2013

8:00am – noon **Implementing Value Pricing**
Larry Phipps, PLS

This class will discuss the steps necessary to get away from selling your time and get to selling your knowledge.

Larry Phipps, PLS is a Professional Land Surveyor with years of experience and a national reputation as a First Class Surveying Instructor. In the past 10 years his travels have taken him to more than 30 States and 4 Foreign countries. In addition to teaching, he owns and operates a small surveying company in the mountains of North Carolina. Thus, his sometimes controversial views on the business of surveying and the role of the professional in that business are based on real world experience. He is a 1980 graduate of North Carolina State University. While there he obtained degrees in both Forestry and Wildlife Biology. Since that time he has held leadership positions in many community organizations including stints as President of the Ashe County Chamber of Commerce, and the Ashe Economic Development Counsel. He is also a founding board member of the Ashe Youth Connection.

1:00 – 5:00pm **Cha...Cha...Changes in the Surveying Profession**
Larry Phipps, PLS

Surveying is undergoing a radical change. Like it or not, the profession today is nothing like the profession was 30 years ago and nothing like it will be 20 years from now. One look at the demographics of the licensee will tell you that one can not escape these changes. The question then becomes, what will the future bring and what can I do today to position myself for that future. This class will focus on helping the attendee prepare for their future in the profession.

Please complete the Seminar evaluation form in your attendance packet.
Your input will be considered during the planning of the next Seminar!

SPECIAL SESSION
Saturday, January 26, 2013

Certified Survey Technician Exam

sponsored by SAMSOG - 2013 Technical Seminar in Marietta, Georgia

Exam Application Deadline: January 7, 2013
NSPS Members Application Cost \$30.00 + Exam Cost \$120.00
NSPS Non-member Application Cost \$50 + Exam Cost \$150

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Why is a Survey Technician Certification of Value to you?

Certification as a survey technician is official recognition by NSPS-ACSM that a person has demonstrated that he or she is minimally competent to perform surveying tasks at a specified technical level. Certification provides the individual with a sense of achievement since it reflects advancement in the field of surveying. Certification also provides employers with a method of determining job assignments and advancement since certification is an indication of ones ability to perform specific job tasks.

*For more information about the exam please contact Russell W. Howard at
rhowardsurveyor@gmail.com*

For more information on the CST Certification, visit www.nspsmo.org, Certified Technician page to read more about the exam, get example exams, applications, and other information. Additional information can also be found under the Education section of the SAMSOG Website www.samsog.org

Payments and application must be sent to:
Russell W. Howard - 89 Ivy Ridge Drive - Jasper, GA 30143

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Allen Precision Equipment, Inc.
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