SDSPLS 29th Annual Convention

January 12, 13 & 14, 2012
Cedar Shore Resort, Chamberlain

THURSDAY pm - January 12, 2012

1:00 – 1:15 pm
Welcome & Introductions
SDSPLS President Mark Johnson, LS

1:15 – 5:00 pm
AREMA (American Railway Engineering & Maintenance Assoc.)
Railroad Surveying 101 – Part I
Instructor – Charlie Tucker

The course begins with the "dirty dozen", a list of the 12 most common blunders, poor assumptions and bad guesses that railroad professionals see on a everyday basis coming to them from non railroad professionals and agencies that kill or delay projects that involve crossing or bordering a railroad. Upon completing this seminar, the surveyor should be much more aware of the issues and requirements to be addressed prior to tackling a railroad related project. The surveyor should now be more confident that railroad related work can be managed under his area of expertise.

Typical participants benefiting the most from this course are those with limited exposure to the railway industry, or railroaders with highly specialized positions. For example, a surveyor-engineer well versed in highway/street design but with some exposure to railway boundaries would gain valuable knowledge about track, railroad cadastre, railroad terminology, theory, and railway operations typically unfamiliar to those outside the industry.

About the Instructor:

Mr. Tucker is a member of NSPS/ACSM, GLIS/ACSM, PLSC (Southern & Central Chapters) & AREMA (American Railway Engineering & Maintenance Association, Committees 1 (Roadway & Ballast) and Committee 18 (Shortline and Light Density Railways – Secretary 2002 – 2005). He has been an AREMA instructor for the railway surveying program in 12 states and has been an advisor to ACSM-NSPS and ASLRRRA (Shortline Association). Charlie also is a volunteer assistance archivist at the Colorado Railroad Museum's Richardson Library and has assisted many a local surveyor in the gathering of evidence regarding active and abandoned rail lines.

1:15 to 5:00 pm
LSIT Course – Intro to Geodetics
Instructor – Rod Breitling, LS

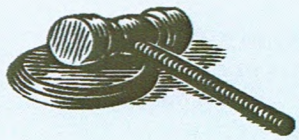
In this fundamental geodetic surveying course, we will discuss topics and compute problems in the following: the ellipsoid, radius of prime vertical, radius of the meridian, radius normal, convergence of meridians, parallel of latitude, GEOIDs, NAD83, NAVD88, NGS Data Sheets and NGS control points. ***Participants are asked to bring calculators.***

About the Instructor:

Rod Breitling, MEd, PLS, has professional experience with the South Dakota DOT, private engineering, private land surveying and post secondary education. Rod earned his Master's in Career Technical Educatio (SDSU), Baccalaureate in Technical Education (SDSU), Associate's in Civil Engineering Technology (USDS) and is a Professional Land Surveyor in the state of South Dakota. As an educator, Rod has taught surveying, boundary and engineering technology courses at Southeast Technical Institute and Construction Surveying Courses at SDSU. Rod continues to develop and teach Land-Surveyor-In-Training Courses for the South Dakota Society of Professional Land Surveyors. Rod is an instructor in the Engineering Technology Department at Southeast Technical Institute in Sioux Falls and is an advisor in the Civil Engineering Technology and Land Surveying Science Technology Programs.

5:30 pm
Exhibitor's Icebreaker

7:00 pm
Scholarship Auction
Maynard Jensen - Auctioneer



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FRIDAY – January 13, 2012

8:00 am to noon
AREMA Railroad Surveying 101 – Part II
Instructor – Charlie Tucker

1:15 to 2:15 pm
Under All Is The Land
Instructor Greg Wick

A brief history of the rapidly changing land title industry and discussion of the common ALTA Survey Endorsements required by Secondary Market residential lenders, with additional examples of the ALTA Commercial Survey Endorsements required by lender's counsel.Issues and challenges faced by members of the South Dakota Land Title Association throughout the state when being asked to provide title insurance coverage over survey matters – to include real world examples and claims analysis.

About the Instructor:

Greg Wick has over 31 years of experience in the land title industry and is President and CEO of Pennington Title Company. He is a past President of the South Dakota Land Title Association and a current member of its Legislative Committee. Greg is also the liaison member of the Title Standards Revisions Committee of the Real Property, Probate & Trust Section of the South Dakota State Bar and assisted during its multi-year Title Standards revisions project.

2:30 to 2:50 pm
Mentoring Program Update
Mark Lippincott, LS and Ron Fisk, LS

2:50 to 3:15 pm
SDSPLS Tuition Reimbursement Scholarship
Kristi Goehring, LS

3:30 to 3:45 pm
ACSM/NSPS Update

3:45 to 4:00 pm
South Dakota Board of Technical Professions Update

4:00 to 5:00 pm
SDSPLS Annual Business Meeting

5:00 pm
Committee Meetings

6:00 pm
Social Hour

7:00 pm
Banquet, Awards & Entertainment

SATURDAY am – January 14, 2012

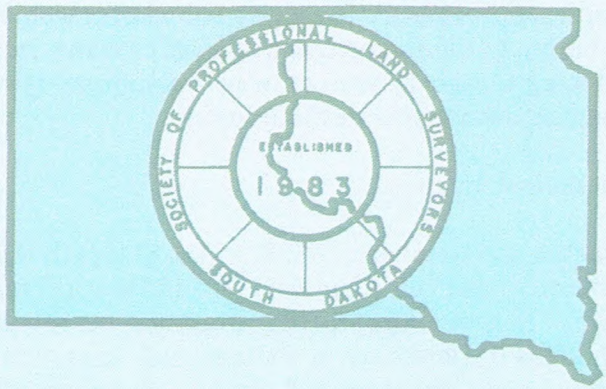
8:00 am to noon
Planning and Executing a GPS Survey
Instructor – David Zenk

Modern tools present new ways to solve problems, but demand adherence to proven good practices. The presenter will discuss the planning, execution, and analysis of high quality GPS projects. Practical examples and samples will be included. Topics will include selection of control, session planning, field logs, vector processing, quality checks, adjustment procedures, and submission to NGS. A discussion of OPUS tools and the new NAD83 (2011) adjustment will be included.

About the Instructor:

David Zenk is a Geodesist with the National Geodetic Survey, serving as Geodetic Advisor in Minnesota. He holds Bachelor of Science Degrees in Civil Engineering and Mechanical Engineering from the University of Minnesota and a master's Degree in Land Surveying from Oregon State University. He has served as adjunct faculty at the University of Minnesota Geography Department and at Saint Cloud State University Geography Department. He is a past Chair of the Minnesota GIS/LIS Consortium. He is currently serving as Editor of the MSPS "Minnesota Surveyor" magazine. He is licensed as a Registered Land Surveyor and Professional Engineer in the State of Minnesota.

He has taught many seminars and other workshops to private industry, state, county, and local government agencies. He recently served as Workshop Chair for URISA and is a past Chair of the Minnesota GIS/LIS Consortium.



LODGING:

Cedar Shore Resort - 605-734-6376 or 888-697-6363

Days Inn – 605-734-4100
Quality Inn – 605-734-5593
Oasis Inn / Kelly Inn – 605-734-6061