



The Rock Record – December, 2011

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Please contribute to the SGS Newsletter

The SGS Newsletter is produced by the SGS executive. Letters, announcements, notices, comments, photos, news and information about SGS members, etc. are always welcome. Call an executive member or write to us at:

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info@sgshome.ca

SGS Website:
www.sgshome.ca

All advertising inquiries should be directed to **Andrew Morley**

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Wednesday, December 7, 2011

Use of Remote Sensing and Geospatial Analysis for Resource Development and Regional Infrastructure Planning

Lynden Penner, M.Sc., P.Eng., P.Geo

J.D. Mollard and Associates (2010) Limited

(abstract attached)

Legion, Regina

Lunch: 11:45 a.m.

Meeting: 12:00 – 1:00 p.m.

Members: \$10.00 and Non-members: \$15.00 for lunch

For those not having lunch the talk is free

Please contact Bernadette Knox (bernadette.knox@gov.sk.ca) by Monday, December 5th if you are planning to have lunch

Summary

Remote sensing technology has undergone a remarkable evolution over the past century, in all aspects of the science including spatial, spectral and temporal resolutions, the number and types of remote sensing imagery available, advances in the availability of associated geospatial datasets, and the technology for data integration, visualization, interpretation and analysis. We've come a long way since E.G.D. Deville used cameras mounted underneath balloons to map the mountains of western Canada. In a single 90-second pass, modern remote sensing satellites can map an area that would have taken months by ground survey, and at a level of detail unimaginable to early explorers. This presentation will describe recent advances in remote sensing and geospatial analysis, and will provide examples of how these tools and techniques are commonly used in infrastructure and resource development projects, both within Saskatchewan and elsewhere. Topics to be addressed include types of imagery available, image processing techniques, 3D visualization, LiDAR data processing, and integration of complimentary geospatial datasets within a Geographic Information System (GIS) for improved project planning and decision making.

Speaker biography

Lynden Penner is president of Regina-based J.D. Mollard and Associates (2010) Limited and has been an engineering and geoscience consultant in Saskatchewan for the past 25 years. He holds undergraduate and graduate degrees in geological engineering from the University of Saskatchewan. Lynden has extensive experience managing and contributing to multidisciplinary study teams in a range of geo-engineering and geoscience consulting assignments and research, focusing on the application of terrain analysis for infrastructure development, environmental assessment and geospatial analysis. Lynden lives in Regina and enjoys family life with his wife Cathy and their seven children.

Announcements and Events

1) SGS Executive for 2011-2012

Dave van Zeyl is the new vice president. Kim Kreis is the new assistant program chair. Thank you to both individuals for taking time out of their busy schedules to be part of the SGS executive!

2) The **Annual General Meeting** will be held in the evening of Saturday, January 28th at the Austrian Club located at 320 Maxwell Crescent, Regina. Please contact Gavin Jensen gavin.jensen@gov.sk.ca or Kate MacLachlan katem@apegs.sk.ca if you plan to attend. As we need to provide the number of attendees to the Austrian Club.

3) **Student Poster Winners at Open House:** Ronald Ng from Queen's University won 1st place in the graduate student category. Michelle McKeough from the University of New Brunswick won 2nd place in the graduate student category. Christine Shiels from the University of Saskatchewan won 1st place in the undergraduate student category.

4) Luncheon Talk Speakers

If anyone has any ideas for luncheon speakers please contact Bernadette Knox (tel.: 787-9373) or (bernadette.knox@gov.sk.ca) or Lynn Kelley (lynn.kelley@gov.sk.ca).

SGS Merchandise

The SGS has a variety of reasonably-priced merchandise, mainly clothing, that is posted on the website: www.sgshome.ca for viewing. This includes seasonal items such as very nice golf shirts, t-shirts, and hats. Please contact Andrew Morley (andrew.morley@gov.sk.ca) if you are interested in making a purchase.
