

Technical Excellence Update

2014 Calendar Year
(sorted alphabetically by publication author)

I am pleased to present the *Technical Excellence Update* for the 2014 calendar year, which showcases the public domain publications and presentations available through SRC. This version is sorted alphabetically by the publication author.

SRC continues to be an innovative research and development organization with a focus on the mining and minerals and energy sectors and the environmental considerations that are important across both. Our employees have a wide range of experience and scientific expertise, enabling SRC to meet unique and varied client needs. SRC technical specialties include, but are not limited to:

Natural Sciences

biology, chemistry, computing science, geology, math, physics, etc.

Engineering

chemical, civil, industrial, mechanical, metallurgical, petroleum, etc.

Management Sciences

business administration, business disruption/resumption management, commerce, facilities management, information technology, marketing and communications, law, risk management, safety, etc.

Visit our website at www.src.sk.ca for additional calendar year updates.

*Laurier L. Schramm
President and CEO
September 2015*

For more information, contact:

President's Office, 125-15 Innovation Blvd., Saskatoon, SK Canada S7N 2X8

Toll Free: 1-877-772-7227 Telephone: 306-933-5400 Email: info@src.sk.ca

- Ahmadloo, K., A. Ashgari, A. Henni and N. Freitag, (2014), *Physical and Numerical Modeling of Capillarity and Aqueous Phase Saturation Effects on the Rate of Solvent Mass Transfer in Boundary Layer in Heavy Oil Reservoirs*, Conference Paper, Society of Petroleum Engineers (SPE) Heavy Oil Conference, Calgary, AB; DOI <http://dx.doi.org/10.2118/170012-MS>; Doc ID: SPE-170012-MS
- Allen, D., (2014), *Lorado*, Interview, Saskatchewan Mining Journal; Missinipi Broadcasting Corporation (MBC) Radio
- Beaulieu, C. and V. Wittrock, (2014), *Climate Reference Station, Saskatoon, Annual Summary 2013*, Technical Report, Saskatchewan Research Council (SRC), Saskatoon, SK, 48 pp, SRC Publication: 10440-1E14
- Brice, B., S. Ning, A. Wood and G. Renouf, (2014), *Optimum Voidage Replacement Ratio and Operational Practice for Heavy Oil Waterfloods*, Conference Paper, Society of Petroleum Engineers (SPE) Heavy Oil Conference, Calgary, AB; DOI: <http://dx.doi.org/10.2118/170099-MS>; Doc ID: SPE-170099-MS
- Calette, M., (2014), *Clean-Up Abandoned Mines in Northern SK*, Editorial, Prince Albert Grand Council (PAGC) Tribune First Nations News
- Calette, M., (2014), *Clean-Up Projects a Tidy Fit for Northern Partners*, Interview, Eagle Feather News
- Calette, M., (2014), *Community Engagement: Going the Extra Mile*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/environment/community-engagement-going-extra-mile/>
- Calette, M., (2014), *Community Engagement: The Process Can Be Very Rewarding - If You Want To Do What It Takes*, Presentation, Federal Contaminated Sites National Workshop, Ottawa, ON
- Crabtree, M and R. Gotto, (2014), *Energy in the Environment*, Editorial, Business & Industry South Saskatchewan, Volume 3, Issue 1
- Crabtree, M., (2014), *CHOPS: But Not For Your BBQ*, SRC Internet Blog and Interview, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/energy/chops-bbq/>; Regina Leader Post
- Crabtree, M., (2014), *Oil and Gas Industry Tackles Responsible Water Usage*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/energy/oil-gas-industry-tackles-responsible-water-usage/>
- Crabtree, M., (2014), *Post-Chops*, Editorial, Oil and Gas Product News
- Crabtree, M., (2014), *Productivity Increase for Bakken Wells Under Development by SRC*, Interview, Oil & Gas News Saskatchewan's Industry Adapting to Our Changing
- Crabtree, M., K.D. Knorr and M. Imran, (2014), *EOR for Tight Oil Reservoirs – Challenges and Opportunities*, Conference Presentation, at SRC's Enhanced Oil Recovery Technologies Theatre, 2014 Global Petroleum Show, Calgary, AB
- Crabtree, M., K.D. Knorr and M. Imran, (2014), *Heavy Oil – Cold and Thermal EOR Technologies, Challenges and Opportunities*, Conference Presentation, at SRC's Enhanced Oil Recovery Technologies Theatre, 2014 Global Petroleum Show, Calgary, AB
- Crabtree, M., K.D. Knorr and M. Imran, (2014), *Post CHOPS EOR – Deeper Dive into Extending Cold Heavy Oil Production with Sand (CHOPS) Recovery*, Conference Presentation, at SRC's Enhanced Oil Recovery Technologies Theatre, 2014 Global Petroleum Show, Calgary, AB
- Creighton, S., (2014), *Revealing Saskatchewan's True Diamond Potential*, Editorial, Northern Prospector Magazine
- Dunn, S., C. Beaulieu and V. Wittrock, (2014), *Climate Reference Station, Conservation Learning Center, Annual Summary 2013*, Technical Report, Saskatchewan Research Council (SRC), Saskatoon, SK, 26 pp, SRC Publication: 13000-1E14
- Farber, A., (2014), *Game-Changing Saskatchewan Inventions*, Interview, CTV News
- Freitag, N., (2014), *Chemical Reaction Mechanisms That Govern Oxidation Rates During In-Site Combustion and High-Pressure Air Injection*, Conference Paper, Society of Petroleum Engineers (SPE) Heavy Oil Conference, Calgary, AB; DOI: [10.2118/170162-MS](http://dx.doi.org/10.2118/170162-MS); Doc ID: SPE-170162-MS
- Ganeshan, P., (2014), *Application of Molecular Markers Beyond Breeding*, Newsletter Article, American Association of Cereal Chemists Biotechnology Division Newsletter
- Gervais, M., (2014), *Future Einsteins: Take Our Kids to Work Day*, SRC Internet Blog and Journal Article, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/responsibility/einsteins-take-kids-work-day/>; The Professional Edge, Issue 153
- Gervais, M., (2014), *Innovation: Team, Process and Culture*, Presentation, Conference Board of Canada, Saskatchewan Forum, Regina, SK
- Gotto, R., (2014), *Project CLEANs*, Editorial, Profile Piece, The Professional Edge, Issue 148
- Hashemi, R., R. Spelay, K.F.K. Adane and R.S. Sanders, (2014), *Solids Velocity Fluctuations in Concentrated Slurries*, Conference Paper, 19th Hydrotransport Conference, Golden, CO
- Hunt, L., (2014), *QEMSCAN Specialized Method of Analyzing Potash*, Editorial, Potash Works Magazine
- Imran, M., (2014), *Determination of Concentration Dependent Solvent Dispersion in Hybrid Enhanced Oil Recovery Processes*, Presentation, Stats and Controls Meeting, Montreal, QC
- Jansen, R., (2014), *Cowessess Wind Energy Storage Project a Sign of Things to Come*, Interview, Green Energy Futures Media

- Jansen, R., (2014), *Energy Storage Makes Wind Generation More Reliable*, Interview, Regina Leader Post
- Jansen, R., (2014), *Smoothing It Out: Improving Wind Turbine Reliability with Energy Storage*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/energy/smoothing-improving-wind-turbine-reliability-energy-storage/>
- Jansen, R., (2014), *Smoothing Out Wind's Volatility*, Interview, Saskatoon Star Phoenix
- Jansen, R., (2014), *Wind Energy Storage Technology Demonstration*, Conference Presentation, GoGreen Symposium, Regina, SK
- Jansen, R., (2014), *Wind Storage*, Interview, CJWW Radio Saskatoon
- Jansen, R., (2014), *Windspeakers*, Interview, The Professional Edge, Issue 149
- Jensen, S., T. Sharp, D. Allen and I. Wilson, (2014), *Design of In-Situ Water Treatment of Acid Contaminated Lake*, Conference Proceedings, Proceedings of the British Columbia Technical and Research Committee on Reclamation (TRCR) 38th Annual Mine Reclamation Symposium, Prince George, BC
- Johnston, M., (2014), *Adapting Sustainable Forest Management to Climate Change: An Analysis of Canadian Case Studies*, Presentation, International Union of Forestry Research Organizations World Congress
- Johnston, M., (2014), *An Overview of Climate Change Impacts on Saskatchewan's Forests*, Presentation, University of Saskatchewan Gender and Climate Change Adaptive Capacity Workshop, Saskatoon, SK; Forestry Boot Camp, Prince Albert, SK
- Johnston, M., (2014), *Boreal Forest*, Interview, CJWW Radio Saskatchewan; Missinipi Broadcasting Corporation (MBC) Radio
- Johnston, M., (2014), *Canada's Natural Resources in a Changing Climate*, Webinar Presentation, Natural Resources Chapter of the Canadian National Climate Change Assessment Update, Saskatoon, SK
- Johnston, M., (2014), *Climate Change and the Western Boreal Forest: An Emerging Synthesis*, Workshop Facilitator and Presentation, Climate Change and Forest Policy Change Workshop, Saskatchewan Environment Forest Service, Prince Albert, SK
- Johnston, M., (2014), *Climate Change Impacts And Adaptation In The Canadian Forest Sector*, Conference Paper, International Union of Forestry Research Organizations 2014 World Congress, Salt Lake City, UT
- Johnston, M., (2014), *How Climate Change Will Shape the Future of Canada's Boreal Forest*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/environment/how-climate-change-will-shape-the-future-of-canadas-boreal-forest/>
- Johnston, M., (2014), *Impacts of Climate Change on Caribou Habitat*, Webinar Presentation, Science Committee of the Canadian Boreal Forest Agreement, Saskatoon, SK
- Johnston, M., (2014), *Landscape Sustainability in Sweden, Canada, and Chile in an Ecosystem Services Context*, Conference Paper and Presentation, International Union of Forestry Research Organizations 2014 World Congress, Salt Lake City, UT
- Johnston, M., (2014), *SaskPower Forest Carbon Project: Update 2014*, Presentation, Saskatchewan Environment Assistant Deputy Ministers (ADMs), Regina, SK
- Johnston, M., (2014), *The Use of the LANDIS Forest Ecosystem Model in Projecting Impacts of Climate Change on the Boreal Forest*, Lecturer and Lab Sessions, Renewable Resource Management 321 on Climate Change Modeling at U of S, Saskatoon, SK
- Kannan U., S. Ganeshan and R.N. Chibbar, (2014), *Hexadecyltrimethylammonium Bromide (CTAB)-based Protocol to Isolate High-Quality RNA in Adequate Quantities for Gene Expression Analyses in Developing Seeds of Lentils (*Lens culinaris Medik.*)*, Journal Article, Gene Expression to Genetical Genomics. 2014:7 7–16, [doi:10.4137/GGG.S15368](https://doi.org/10.4137/GGG.S15368)
- Kienzle, S., E. Wheaton, B. Bonsal, V. Wittrock and E. Barrow, (2014), *The VACEA Project: Modelling Climate Impacts on Agro-Ecosystems*, Invited Presentation, International Research Initiative on Adaptation to Climate Change (IRIACC) Panel, Congress of the Humanities and Social Sciences, Canadian Association of Geographers Congress, Brock University, St. Catharines, ON, 28 slides, SRC Publication: 13224-4D14
- Knorr, K.D. and M. Imran, (2014), *Post-CHOPS EOR Methods – The Role of Wormholes*, Presentation, Petroleum Technology Alliance Canada, Calgary, AB
- Kulshreshtha, S. and E. Wheaton, (2014), *Past and Future Extreme Climate Events in the Canadian Prairies: Integrating Economics and Climate*, Presentation, Earth Sciences and Climate Change Conference, San Francisco, CA; University of Saskatchewan, Saskatoon, SK, 35 slides
- Lambert, J., D. Allen and C. Reid, (2014), *Sealed for Safety*, Special Report, Journal Contribution, Canadian Mining Journal
- Lemmen, D.S., M. Johnston, C. Ste. Marie and T. Pearce, (2014), *Natural Resources*, Assessment Report, Chapter 3 in: F.J. Warren and D.S. Lemmen, eds. Canada in a Changing Climate: Sector Perspectives on Impacts and Adaptation Update. Natural Resources Canada, Ottawa, ON, p. 66-98
- Luo, P., (2014), *EOR for Canadian Tight Oil Reservoirs - Opportunities and Challenges*, Invited Presentation, 2014 International Conference on EOR, China University of Petroleum, Beijing, China
- Luo, P., (2014), *Optimized Surfactant-Polymer Flooding Technologies*, Presentation, Purdue University, Lafayette, IN

- MacWilliam, S., (2014), *Put a Label On It: Communicating Your Carbon Footprint*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/environment/put-a-label-on-it-communicating-your-carbon-footprint/>
- MacWilliam, S., M. Wismer and S. Kulshreshtha, (2014), *Life Cycle and Economic Assessment of Western Canadian Pulse Systems: The Inclusion of Pulses in Crop Rotations*, Journal Article, Elsevier, Agricultural Systems, Volume 123, p. 43-53; available online at: <http://dx.doi.org/10.1016/j.agsy.2013.08.009>;
- McCubbing, M., (2014), *A Diamond Lab in Saskatchewan? You Bet.*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/mining/a-diamond-lab-in-saskatchewan/>
- McCubbing, M., (2014), *Diamond Lab*, Interview, Global News Saskatoon
- McCubbing, M., (2014), *Diamond Lab Helps Put Saskatchewan On World Map*, Editorial, Business Focus Africa Magazine
- McCubbing, M. and R. Gotto, (2014), *The Sparkle of Saskatchewan's Diamonds*, Editorial, Business & Industry South Saskatchewan, Volume 3, Issue 3
- McGilp, L., (2014), *Existing and Upcoming Pipeline Technologies*, Interview, Process West Magazine - Online
- McGilp, L., (2014), *Pipe Flow Technology Centre*, Editorial, Oil and Gas Product News
- McGilp, L., (2014), *Research Offers Solutions for Oil and Mining Slurry Pipeline Challenges*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/mining/research-offers-solutions-oil-mining-slurry-pipeline-challenges/>
- McGilp, L., (2014), *Take Your Volatile Materials for a Ride in Our Test Loop*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/mining/take-your-volatile-materials-for-a-ride-in-our-test-loop/>
- Mircea, C., (2014), *PDAC 2014 Recap: Cautious Optimism at the Mining Industry's Biggest Event*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/mining/pdac-2014-recap-cautious-optimism-mining-industrys-biggest-event/>
- Mohammad, I. and K.D. Knorr, (2014), *Effect of Dead-Oil Viscosity and Injected-Solvent Type on SVX Process Performance*, Journal Article, Journal of Petroleum Technology, Volume 53, Issue 03, p. 168-178: DOI: <http://dx.doi.org/10.2118/165454-PA>; Doc ID: SPE-165454-PA
- Moody, M., (2014), *Development and Standardization of Plant Toxicity Methods for Assessment of Contaminated Soils Using Wetland Species: Year 4*, Research Report, Saskatchewan Research Council, SRC Publication: 11627-3E14
- Moody, M., (2014), *Development of a Plant Toxicity Test Using Species Native to the Canadian Boreal Wetlands*, Conference Presentation, 41st Aquatic Toxicity Workshop 2014, Ottawa, ON
- Murray, C., (2014), *Saskatchewan Research Council Rare Earth Minerals in Saskatchewan and the World*, Interview, Regina Leader Post; Saskatoon Star Phoenix
- Nakutnyy, P., (2014), *Optimization of Polymer Flooding for Heavy Oil EOR*, Conference Presentation, 35th International Energy Agency - Enhanced Oil Recovery (IEA EOR) Symposium, Beijing, China
- Nakutnyy, P., G. Renouf and S. Veerabhadrapa, (2014), *Evaluation of Polymers for Heavy Oil EOR*, Technical Report, Journal of Canadian Petroleum Technology; Volume 53, Issue 4
- Nyirfa, W., (2014), *Remember the Biodigester*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/energy/remember-biodigester/>
- Pattison, D., (2014), *Four (Fairly) Simple Steps to Jump Start Your Competitive Intelligence Program*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/business-insight/four-fairly-simple-steps-jump-start-competitive-intelligence-program/>
- Pattison, D., (2014), *Getting Started in Competitive Intelligence*, Presentation, 16th National Conference, 2014 Society of Trust and Estate Practitioners (STEP) Trade Conference, Toronto, ON
- Paynter, P., (2014), *Saskatchewan's Energy Frontman a Familiar Face*, Interview, Calgary Herald
- Petelina E., A. Klyashtorin and T. Yankovich, (2014), *Biochar Application for Revegetation Purposes in Northern Saskatchewan*, Conference Proceedings, RemTech 2014, Banff, AB
- Petelina E., D. Sanscartier, S. MacWilliam and R. Ridsdale, (2014), *Environmental, Social, and Economic Benefits of Biochar Application for Land Reclamation Purposes*, Conference Proceedings, 38th Annual Mine Reclamation Symposium, Prince George, BC
- Petelina E., D. Sanscartier, S. MacWilliam and R. Ridsdale, (2014), *Sustainability Appraisal of Revegetation Options for Mine Reclamation*, Conference Presentation, Canadian Land Reclamation Association (CLRA) 39th Nation Conference, Mont-Tremblant, QC; RemTech 2014, Banff, AB
- Petelina, E., (2014), *Sustainability Appraisal of Revegetation Options for Mine Remediation in Northern Canada*, Conference Presentation, RemTech 2014, Banff, AB

- Pittman, J., T. Pearce, J. Ford, V. Wittrock and E. Wheaton, (2014), *Adaptation to Climate Change and Potash Mining in Saskatchewan: Case Study for the Qu'Appelle River Watershed*, Invited Presentation, Saskatchewan Environmental Industry and Managers Association (SEIMA), Regina and Saskatoon, SK, 19 slides, SRC Publication: 13749-2D14
- Qualtiere, E. and M. Johnston, (2014), *Simulation Modeling to Address Climate Change Vulnerability and Adaptation Planning in a Saskatchewan Forest Ecosystem*, Book Chapter, in: S. Lac, M. McHenry and S. Kulshreshtha, eds. *Forestry Mitigation and Adaptation Strategies for Climate Change*. Nova Science Publishers, Hauppauge NY US, p. 17-34
- Reed, M.G., A. Scott, D. Natcher and M. Johnston, (2014), *Linking Gender, Climate Change, Adaptive Capacity and Forest-based Communities in Canada*, Journal Publication, Canadian Journal of Forest Research 44: 995–1004
- Reid, C., (2014), *Taking the Path Less Travelled: My Other Office, Part 2*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/environment/taking-path-less-travelled-office-part-2/>
- Renouf, G., (2014), *A Survey of Polymer Flooding in Western Canada*, Conference Presentation, Society of Petroleum Engineers (SPE) Improved Oil Recovery Symposium, Tulsa, OK, SPE-169062-MS. <http://dx.doi.org/10.2118/169062-MS>
- Sanscartier D., B. Deen, G. Dias G, H. Dadfar, H.L. MacLean, I. McDonald and H. Kludze, (2014), *Implications of Land Class and Environmental Factors on Life Cycle GHG Emissions of Miscanthus as a Bioenergy Feedstock*, Online Journal Article, GCB Bioenergy, 6(4):401-413
- Sanscartier, D., G. Dias, B. Deen, H. Dadfar, I. McDonald and H. MacLean, (2014), *Life Cycle Greenhouse Gas Emissions of Electricity Generation from Corn Cobs in Ontario, Canada*, Online Journal Article, Biofuel/BioProducts & BioRefinery Journal, Volume 8, Issue 4, p. 568-578, DOI: [10.1002/bbb.1485](https://doi.org/10.1002/bbb.1485)
- Sanscartier, D., K. Van Rees, B. Amichev, B. Campbell and K. Woytiuk, (2014), *LCA of Co-firing Willow with Coal for Electricity Generation in Saskatchewan*, Presentation, Canadian Society of Bioengineering, Saskatoon, SK
- Sanscartier, D., S. MacWilliam, M. Wismer and I. Wilson, (2014), *Broad Environmental Impacts and Risks to Workers for the Remediation of an Abandoned Uranium Mine in Northern Saskatchewan*, Presentation, Property Institute of Canada Federal Contaminated Sites National Workshop, Ottawa, ON
- Sauchyn, D., B. Bonsal, S. Kienzle, J. St. Jacques, J. Vanstone and E. Wheaton, (2014), *Adaptation According to Mode of Climate Variability: A Case Study from Canada's Western Interior*, Book Chapter, p. 1-24 in Leal Filho, W (ed) *Handbook of Climate Change Adaptation*. Springer-Verlag, Berlin, Heidelberg, DOI: 10.1007/978-3-642-40455-9_93-1. Available at http://link.springer.com/referenceworkentry/10.1007/978-3-642-40455-9_93-1
- Schramm, L.L., (2014), *Can Innovation be Measured?*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/innovation/can-innovation-measured/>
- Schramm, L.L., (2014), *Dictionary of Nanotechnology and Microtechnology*, Book, Wiley-VCH, Weinheim, Germany
- Schramm, L.L., (2014), *Emulsions, Foams, Suspensions, and Aerosols: Microscience and Applications*, Book, Wiley-VCH, Weinheim, Germany
- Schramm, L.L., (2014), *How an Innovation Forum Energizes Creativity*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/innovation/innovation-forum-energizes-creativity/>
- Schramm, L.L., (2014), *SRC's Economic Impact*, Interview, Global TV Saskatoon
- Schramm, L.L., (2014), *The Pathway from Discovery to Invention to Innovation*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/innovation/pathway-discovery-invention-innovation/>
- Schramm, L.L., (2014), *What are Waves of Innovation?*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/innovation/waves-innovation/>
- Schramm, L.L., (2014), *Who are Canada's Research and Technology Organizations?*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/innovation/canadas-research-technology-organizations/>
- Schramm, L.L., (2014), *Why Do RTOs Need Public Support?*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/innovation/rto-need-public-support/>
- Schramm, L.L., T. Cornell and J. Smith, (2014), *A Primer on Innovation in Canada*, Presentation, 5th Innoventures Canada (I-CAN) Innovation School, Toronto, ON; Saskatchewan Research Council, Saskatoon, SK
- Schramm, L.L., (2014), *How Can We Help Advance Business Innovation in Canada?*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/innovation/can-help-advance-business-innovation-canada/>
- Schreiner, B., (2014), *A Canadian RE Powerhouse?*, Interview, Input into Resource Clips Online Resource Publication
- Schreiner, B., (2014), *Rare Earth Expertise in Canada and SRC's Mineral Processing Pilot Plant*, Interview, Resource Clips Social Network and News Site
- Schreiner, B. and R. Gotto, (2014), *Making the Most of Minerals*, Editorial, Canadian Chemical News

- Schreiner, B. and R. Gotto, (2014), *SRC Provides Potash Services Worldwide*, Editorial, Potash Review Journal
- Spelay, R., R.G. Gillies, S.A. Hashemi and R.S. Sanders, (2014), *Effect of Pipe Inclination on the Deposition Velocity of Settling Slurries*, Conference Paper, 19th Hydrotransport Conference, Golden, CO
- Stanek, B., (2014), *Is My Drinking Water Safe?*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/environment/drinking-water-safe/>
- Stanek, B., J. Zimmer, D. Chorney and M. Wismer, (2014), *Using a Nuclear Reactor as a Remediation Tool*, Poster, Property Institute of Canada Federal Contaminated Sites National Workshop, Ottawa, ON
- Stephan, P., (2014), *Integrated Water Management Strategies*, Presentation Series and Associated Interview, at SRC's Enhanced Oil Recovery Technologies Theatre, 2014 Global Petroleum Show, Calgary, AB; iKan Media Ltd.
- Sun, R., J. Kan and A. Goldszal, (2014), *Capture Sand in Flocculated Fines: A New Approach to Optimize the Capture of Oil Sands Fines in Sand Beach*, Conference Presentation and Proceedings, Proceedings Fourth International Oil Sands Tailings Conference Lake Louise, AB, p. 387-395; Conference Presentation, Oil Sands Conference University of Alberta, Edmonton, AB
- Sun, R., R. Spelay, J. Kan and A. Goldszal, (2014), *Column Consolidation Testing of Oil Sands Tailings*, Conference Proceedings, Proceedings Fourth International Oil Sands Tailings Conference Lake Louise, AB, p.163-171
- Taman-Athmer, E., (2014), *Biodigester*, Interview, Global News Saskatoon
- Taman-Athmer, E., (2014), *SRC Biodigester Unveiled in Ottawa*, Interview, Saskatoon Star Phoenix
- Taman-Athmer, E., (2014), *SRC Unveils Innovative Biodigester*, Interview, Metro News Saskatoon and Regina
- Taman-Athmer, E., (2014), *Gold Quill Awards Bootcamp*, Invited Presentation, International Association of Business Communicators
- Tong, A., I. Miskoliczi, D. Allen, I. Wilson and M. Rykaart, (2014), *Capillary Break Cover Design at Lorado Mill Tailings Site*, Conference Proceedings, Proceedings of the British Columbia Technical and Research Committee on Reclamation (TRCR) 38th Annual Mine Reclamation Symposium, Prince George, BC
- Veerabhadrapa, S., (2014), *Right Place, Right Time*, Special Report, Journal Contribution and Interview, Alberta Oil Magazine
- Wheaton, E., (2014), *Agriculture and Patterns of Climate Extremes on the Canadian Prairies*, Invited Presentation, Saskatchewan Soil Conservation Association Conference, University of Saskatchewan, Saskatoon, SK, 29 slides
- Wheaton, E., (2014), *Comments on the Guidebook: Pathways to Climate Change Resilience*, Invited Presentation, International Forum Linking Gender, Adaptation, Climate Change and Forestry/ Resource Management in Canada, School of Environment and Sustainability, University of Saskatchewan, Saskatoon, SK, 8 slides
- Wheaton, E., (2014), *Food Security and Climate Change: Canadian Prairie Agriculture*, Invited Presentation, Canada World Youth, Saskatoon, SK; University of Saskatchewan, Saskatoon, SK, 26 slides
- Wheaton, E., (2014), *Past Climate Trends and Future Projections: Impacts on Agriculture in the Canadian Prairies*, Invited Presentation, Canadian Entomology Society, Saskatoon, SK; University of Saskatchewan, Saskatoon, SK, 25 slides
- Wheaton, E. and V. Wittrock, (2014), *Dust Storms of the Canadian Prairies: A Dustier and Muddier Outlook*, Invited Presentation, Great Plains Drought Symposium, National Drought Mitigation Centre, Lincoln, NE; University of Saskatchewan, Saskatoon, SK, 27 slides, SRC Publication: 13749-1D14
- Wilson, I., (2014), *Project CLEANS*, Interview, Canadian Press; Opportunity North Magazine
- Wilson, I. and D. Allen, (2014), *Abandoned Mines Remediated by Project Cleans*, Interview, Saskatoon Star Phoenix; Regina Leader Post
- Wilson, I. and M. Calette, (2014), *Remediating Abandoned Mine and Mill Sites in Northern Saskatchewan*, Interview, Regina Leader Post
- Wismer, M., (2014), *Implement Maker Receives Carbon Certification*, Article and Interview, The Western Producer
- Wismer, M., (2014), *Seedhawk*, Interview, CTV Yorkton
- Wittrock, V., (2014), *CRS Weather Summaries*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/environment/crs-weather-summaries/>
- Wittrock, V., (2014), *Saskatchewan – Canada's Sunniest Province*, SRC Internet Blog, "From the Lab to the Loading Dock"; <http://blog.src.sk.ca/environment/saskatchewan-canadas-sunniest-province/>
- Wittrock, V., (2014), *The Sunniest Province in Canada, Saskatchewan*, Newsletter, 4 pp.in: Kipp & Zonen Newsletter. Website: <http://www.kippzonen.com/News/551/The-Sunniest-Province-in-Canada-Saskatchewan#.VONRO7HnaUk>; SRC Publication: 10440-2E14
- Wittrock, V., (2014), *Weather and Climate. The Good, the Bad and the WOW...What Was That?!?*, Invited Presentation, Northeast Branch of the Saskatchewan Institute of Agrologists Annual General Meeting, Carrot River, SK; Saskatchewan Research Council (SRC), Saskatoon, SK, 41 slides, SRC Publication: 11228-1D14

- Wittrock, V., E. Wheaton, B. Bonsal and J. Vanstone, (2014), *Connecting Climate and Crop Yields: Case Studies of the Swift Current Creek and Oldman River Watersheds*, Technical Report, Prepared for the Vulnerability and Adaptation to Climate Extremes in the Americas Project (VACEA), Prairie Adaptation Research Collaborative, Regina, SK; Saskatchewan Research Council (SRC), Saskatoon, SK, 33 pp, SRC Publication: 13224-2E13
- Wittrock, V., E. Wheaton and J. Pittman, (2014), *The Evolving Climate of the Qu'Appelle River Watershed*, Invited Presentation, Using a Nuclear Reactor as a Remediation Tool, SRC Publication: 10439-1D14
- Wittrock, V., E. Wheaton, B. Bonsal and J. Vanstone, (2014), *Characterization of Past Drought and Excessive Moisture Extremes Using the Standardized Precipitation and Evapotranspiration Index: Case Studies of the Oldman River and Swift Current Creek Watersheds*, Technical Report, Prepared for the Vulnerability and Adaptation to Climate Extremes in the Americas Project (VACEA), Prairie Adaptation Research Collaborative, Regina, SK, Saskatchewan Research Council (SRC), Saskatoon, SK, 41 pp, SRC Publication: 13224-3E13
- Wittrock, V., E. Wheaton, B. Bonsal and J. Vanstone, (2014), *Crop Yields and Climate Connections: Swift Current Creek and Oldman River Watersheds, Canada*, Presentation, Prepared for Vulnerability and Adaptation to Climate Extremes in the Americas Project (VACEA), Prairie Adaptation Research Collaborative, Regina, SK; Saskatchewan Research Council (SRC), Saskatoon, SK, 23 slides, SRC Publication: 13224-3D14
- Wittrock, V., E. Wheaton, B. Bonsal and J. Vanstone, (2014), *Drought and Excessive Moisture Conditions. An Examination of the Last 110 Years. Case Study of the Oldman River and Swift Current Creek Watersheds*, Presentation, Prepared for Vulnerability and Adaptation to Climate Extremes in the Americas Project (VACEA), Prairie Adaptation Research Collaborative, Regina, SK; Saskatchewan Research Council (SRC), Saskatoon, SK, 27 slides, SRC Publication: 13224-2D14
- Wittrock, V., J. Parry and E. Wheaton, (2014), *Risks to the Energy Sector Related to Extreme Climate Events: Case Studies of Adaptation Actions focusing on the Upper and Lower Souris River Watersheds, Canada*, Invited Presentation, Energy Working Group Webinar, National Resources of Canada; Saskatchewan Research Council (SRC), Saskatoon, SK, 18 slides, SRC Publication: 13757-1D14
- Wittrock, V., J. Pittman and E. Wheaton, (2014), *Saskatchewan's Industry Adapting to our Changing Climate*, Invited Presentation, Saskatchewan Ministry of Environment, Regina, SK; Saskatchewan Research Council, Saskatoon (SRC), SK, 49 slides, SRC Publication: 13687-1D14
- Wittrock, V., J. Pittman and E. Wheaton, (2014), *Saskatchewan's Industry Adapting to Our Changing Climate: Case Study of Qu'Appelle River Watershed and the Potash Industry*, Invited Presentation, Saskatchewan Climate Change Adaptation Meeting
- Zhang, M., Z. Du, F. Zeng and S. Xu, (2014), *Upscaling Study of Cyclic Solvent Injection Process for Post-CHOPS Reservoirs through Numerical Simulation*, Conference Paper, Society of Petroleum Engineers (SPE) Heavy Oil Conference, Calgary, AB; DOI: <http://dx.doi.org/10.2118/170142-MS>; Doc ID: SPE-170142-MS
- Zwiers, F. and E. Wheaton, (2014), *Changing Climates (IPCC AR5) and Implications for the Canadian Prairies*, Invited Presentation, School of Environment and Sustainability, University of Saskatchewan, Saskatoon, SK, 41 slides