Suggested Topic Areas:

- **Sustainable Strategies for Biosolids & Residuals Reuse**
  - Short-term and long-term strategies… What are municipalities doing & planning?
  - Recent master plans from municipalities
  - What’s your secret to keeping Biosolids & Residuals Reuse programs sustainable?
  - Is diversification the answer?

- **Product Development**
  - Market analysis
  - Branding, advertising – what works?
  - Integrating with others’ agricultural standards (e.g. organic certification, Global G.A.P.)
  - What defines “quality”?  
  - Addressing public perception of “quality.”
  - Quality measures for Residuals (e.g. paper mill residuals)

- **Communication**
  - Key messages that you use within your Biosolids or Residuals management program.
  - Strategies for messaging to a variety of stakeholders.
  - Successful communication strategies
  - Branding biosolids

- **Successful Biosolids & Residuals Operational Programs**
  - Success stories…….
  - Papermill Residuals & Other Recyclable Residuals – what’s being recycled?
  - Source separated organics programs?
  - Synergies in utilizing multiple residual sources.

- **Managing Emerging Compounds**
  - Addressing the ever-changing world of emerging compounds.
  - What has research shown us in the past 5 years?
  - PFAS/PFOA
  - Fate, exposure and bioavailability of emerging compounds in biosolids
  - Risk assessment

- **Thickening and Dewatering mechanisms and optimization**
  - Technologies and possible configurations
  - Sludge dewaterability (mesophilic, thermophilic, THP sludges, other characteristics)
  - Polymer optimization
Co-digestion
  - Considerations for starting a co-digestion program
  - Getting to energy neutrality with co-digestion
  - Co-digestion with different residuals (manure, SSO, other)
  - Organic material characterization and biodegradability testing
  - Operational issues and concerns

Anaerobic digestion
  - Digestibility
  - Mixing
  - Cleaning
  - Operational issues, e.g. struvite, vivianite

Advanced digestion and THP
  - Post-aerobic digestion
  - Phased digestion
  - Operation and optimization of THP
  - Maybe VFA production

Thermal processes
  - Drying and incineration
  - Design challenges and successes
  - Operation challenges and successes

Odour Management
  - Dealing with the Regulatory Landscape
  - Tools for dealing with odours (treatment, adjuvants, in-field management)
  - Odour characterization from biosolids operations
  - Impact of treatment and storage on odour emissions

Beneficial use of biogas
  - Opportunities and economical analysis
  - Cleaning technologies
  - Impact of wastewater operation on biogas production and quality
  - Lessons learned

Resource Recovery
  - P recovery – modeling, technologies and impact on wastewater processes
  - N recovery – modeling, technologies and impact on wastewater processes
  - Biosolids & Residuals management after resource recovery … managing what’s left.

Policy & Regulation of Biosolids & Residuals Recycling
  - Federal, provincial, state, & local
  - Where are policy & regulation headed?
  - Protecting beneficial uses?

Our Carbon Footprint
  - Managing nutrients and organic carbon for more sustainable agricultural production
  - Greenhouse gas mitigation strategies
  - Best management practices for carbon sequestration
Managing for Soil Health

- Land use management strategies to improve soil quality
- Soil health assessment metrics on biosolids and residuals amended soils.
- Advanced land application of biosolids (GPS mapping, targeting nutrients precisely, etc.)