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INDEPENDENT EXPERT, GEOSYNTHETIC MATERIALS AND TECHNOLOGIES

KEY EXPERTISES

- Geosynthetics: materials properties, durability, interaction with soils, drainage and filtration.
- Civil engineering with geosynthetics: environmental protection, highways, civil works, water transport and storage.
- Polymeric materials used in the building envelope.
- Quality Assurance and Quality Control of polymeric construction materials.
- Certification and material compliance assessment.
- Education and trainings on geosynthetics.

AFFILIATIONS

- Ordre des Ingénieurs du Québec (OIQ), member – Professional Engineer, #109431
- Association of Professional Engineers and Geoscientists of Alberta (APEGA) – Professional Engineer, #279367

PROFESSIONAL BACKGROUND

2018-... – Owner, Eric Blond Consultant Inc.

- Expertise in geosynthetics and other membranes used in construction.
- Forensic investigations
- R&D, engineering support for innovative products
- Technical marketing, value proposition
- Market intelligence
- Training

June 2019 - December 2019 – Global Technical Director, Solmax International

- Responsible of the technical department of Solmax International (world leader in polyethylene geomembranes with operations spread over 4 continents)

2013-present – Invited lecturer, École Polytechnique de Montréal

Invited lecturer for two courses, one undergraduate and one post-graduate

- CIV1140 – Introduction to geosynthetic materials and technologies
- GML8109 – Designing of confinement systems with geosynthetics

2006-2018 – Director, then Vice-President, CTT GROUP / SAGEOS (St-Hyacinthe, Quebec)

- Business Development, Sales and Marketing
- Administration and laboratory management
- Expert reports
- Contribution to industry associations and standard development

2000-2006 – Technical Director, SAGEOS (St-Hyacinthe, Quebec)

- Technical assessment of laboratory reports
- Development of test methods
- Business development, geosynthetics testing and research services

1995-2000 – Project Leader, SAGEOS (St-Hyacinthe, Quebec)

- Laboratory and field research projects for public or private customers, focusing on the application of geosynthetics in roadways, landfills, for erosion control and for building applications.
- Development of laboratory tests methods.

ACADEMIC BACKGROUND

1992-1995: M.Sc.A., Geotechnical engineering, École Polytechnique de Montréal

Project: soil filtration by geotextiles

1987-1992: Civil Engineering and Urbanism, INSA de Lyon, France

Specialization: building and geotechnical engineering

Optional courses in Fine Arts (Industrial design and photography)

IMPLICATION IN INDUSTRY ASSOCIATIONS, STANDARD DEVELOPMENT AND ACADEMIC RESEARCH

IGS (International Geosynthetics Society)	– Council Member (2010-2016; 2022-...) – Chairman of the Hydraulic Committee (2021-2024) – Chairman of the Corporate Committee (2014-2016) – Member of the Sustainability Committee (2022-...) – Member of the Barrier Committee (2021-...)
IGS-NA (North American Chapter of the IGS)	– Secretary (2020-present) – Technical Chair, XIIIth International Conference on Geosynthetics to be held in Montreal (September 2026)
ASTM D35 on Geosynthetics	– Chairman, Subcommittee D35.10, Geomembranes (2022-present) – Chairman, Subcommittee D35.02, Endurance Properties (2014-2022) – Secretary, Subcommittee D35.03, Hydraulic Properties (2007-2014) – Member of D35.90 (Executive committee) (2012-...) – Responsible of several standards and task groups
Other ASTM committees	– Member, D08 on Roofing and Waterproofing – Member, D18 on Soils and Rocks
ISO TC221 (International Organisation for Standardization, on Geosynthetics)	– Chairman of the Canadian Mirror Committee of TC221 (2013-2023) – Vice-Chairman of the Canadian Mirror Committee of TC221 (2023-...) – Deputy-Chairman of WG4 on hydraulic properties (2023-...) – Member of WG6 on designing with geosynthetics (2002-...) – WG6-PG3 Group Leader Designing for Filtration, (2014-...) – Liaison with TC71 SC7 for NP TS 18734: Guidelines for elastomeric barriers, waterproofing and protection of underground structures
CSA (Canadian Standards Association)	– Member of CSA A123.23 on Roofing Materials (2014-...)
CGS (Canadian Geotechnical Society)	– President of the Geosynthetics Division and member of the board (2004-2007) – Member of the Annual Conference Organizing Committee (Québec 2004, Montreal 2013, Montreal 2024) – Vice-President of the Geosynthetics Division (2022-...)
pCCCME (Canadian Commission on Construction Materials Evaluation)	– Member of the CCCME (2018-...) – Member of the scheme committee on water management (2018-2019) – Member of the SCTE - Standing Committee on Technical Evaluations (2009-2018)
Queens University	– Industrial partner / advisor for the research chair on “Barrier systems engineering for environmental protection from emerging contaminants of concern”
Laval University	– Industrial Partner / advisor for the research chair on “Interaction Charge / Climat / Chaussée” (load / climate / roadways) (2008-2012)

PUBLICATIONS, CONFERENCES, COURSES

(non-exhaustive)

- Blond E**, Tarnowski C. (2025): Assessing the Shear-Strength Properties of Geomembranes Textured Using the Spray-On Technique. EuroGeo 8 Conference, Lille, France, September 2025 (in press)
- Blond E**, Giroud J.P., Scheirs J. (2025): Effect of Tensile Load and Temperature on Bituminous Geomembrane Seams. EuroGeo 8 Conference, Lille, France, September 2025 (in press)
- Blond E**, Giroud J.P., Scheirs J. (2025): Performance of Bituminous Geomembrane Seams Exposed to Tensile Load at Elevated Temperature. GeoAsia 8 Conference, Brisbane, Australia, June 2025 (in press)
- Giroud J.P., **Blond E** (2025): Rate of leakage through a vertical geomembrane liner. Geosynthetic International (in press)
- Blond E** (2024): Geomembranes don't like to sustain tension: the implications for Bituminous Geomembranes. ACIGS Webinar Series: Webinar 40 (in collaboration with Prof. R.K. Rowe), November 19, 2024 (Australia)
- Blond E** (2024): Les géosynthétiques pour la réduction de l'empreinte de carbone en construction routière. Keynote Lecture, Colloque National sur la Géotechnique. Thème général : Instabilité des sols, maîtrise des ouvrages liés aux instabilités. Comité Marocain de Mécanique des Sols et de Géotechnique, 17-19 Octobre 2024, Marrakech, Morocco.
- Ali M., **Blond E.**, Abdelaal F.B., Rowe R.K.(2024): A new method to predict the stress cracking resistance of HDPE Geomembranes. Proceedings of the 77th Annual Canadian Geotechnical Conference – GeoMontréal, September 2024, Montréal, Canada
- Blond E.**, Leppänen M (2024): Installation of Geomembranes Under Arctic Conditions. Proceedings of the 77th Annual Canadian Geotechnical Conference – GeoMontréal, September 2024, Montréal, Canada
- Blond E** (2024): Filtration and Drainage with Geosynthetics. Webinar, for the Iran Chapter of the IGS, September 25, 2024
- Blond E** (2024): Behavior of Bituminous Geomembrane Seams Exposed to Tensile Stress. GeoANZ #2 – Advance in Geosynthetics, Melbourne, Australia, July 9-11, 2024
- Blond E** (2024): Status of existing information on installation requirements for sealing products under Nordic conditions (RoUGH Project). Winter Seminar of the GeoEngineering Center, Queens University, February 28, 2024
- Blond E** (2024): Les Géosynthétiques pour la Réduction de l'Empreinte de Carbone en Construction Routière. Séminaire Solmax-Innovex, Boucherville (Québec), 15 Février 2024
- Blond E** (2023): Service life of Geosynthetics in Hydraulic Applications. 25th International congress on Irrigation and Drainage organized by the ICID, 1-8 Novembre 2023, Visakhapatnam, Andhra Pradesh State, India
- Blond E**, Beaumier D, Tarnowski C (2023): The Inclined Plane Compression Test: a New Technique to Assess the Interface Shear-Strength Properties of Polyethylene Geomembranes. Proceedings of the XIIth International Conference on Geosynthetics, September 2023, Rome, Italy.
- Blond E**, Leppänen M, Delmas P, Recker C (2023): Status of existing information on installation requirements for sealing products under Nordic conditions (RoUGH Project). Proceedings of the XIIth International Conference on Geosynthetics, September 2023, Rome, Italy.

- Blond E, Maskal A (2023):** Factors affecting the long-term performance of biplanar geonet-geocomposites. Proceedings of the XIIth International Conference on Geosynthetics, September 2023, Rome, Italy.
- Blond E (2023):** Designing Geotextile Filters to Ensure their Long-Term Performance as a Replacement to Sand and Gravel. IGS-Australia / IGS-TCH Webinar, September 7, 2023 (Australia), September 6, 2023 (North-America)
- Blond E (2023):** Service life of Geosynthetics in Hydraulic Applications. IGS-TCB / IGS-TCH Webinar, June 1, 2023 (31 May in North-America)
- Blond E (2023):** Filtration and Drainage with Geosynthetics. IGS 'Educate the Educators', Romania, May 17, 2023
- Blond E (2023):** Measurement of 'Strain Hardening Modulus' of geomembranes – with or without extensometer? Technical Note, Geosynthetics News Alert, May 2023
<https://www.geosyntheticnews.com.au/news/may-2023-vol-8/>
- Organization, and chairing of the Special Session on 'Seepage Control in Canals', on 'Erosion Control in Canals, and the TC-H Keynote Lecture at the 4th GeoAfrica Conference, Cairo, 20 to 24 February 2023.
- Giroud JP, Plusquellec H, **Blond E.** (2023, in press): Design of canals lined with geomembranes. Keynote Lecture, GeoAfrica 2023, 4th African Conference on Geosynthetics "Geosynthetics in Infrastructures and Mega Projects", February 20-23, 2023, Cairo, Egypt
- Blond, E (2022):** Concrete Linings or Geomembrane Linings: Which One Works Best? Newsletter of the International Commission on Irrigation and Drainage (3rd quarter 2022)
- Organization, and chairing of the Special Session on 'Seepage Control in Canals', on 'Erosion Control in Canals, and the TC-H Keynote Lecture at the 7th GeoAsia Conference, Taiwan, 31 October to 4 November 2022.
- Blond, E (2022):** Organization of the International Geosynthetics Society Workshop at the 24th ICID International Congress and 73rd IEC Meeting, 3-10 October 2022, Adelaide, Australia. Presentation of "Service life of geosynthetics".
- Blond E, Leppänen M, Delmas P (2022):** Status of existing information on installation requirements for sealing products (GBR-P, GBR-B and GBR-C) under Nordic conditions. ROUGH Project (RecOmmendations for the Use of GeosyntHetics in Nordic conditions) – Function: Sealing. SINTEF, Norway, August 2, 2022
- Blond, E (2022):** A holistic approach to the long-term performance of geomembrane lining systems: design considerations and minimum material properties. Nortene Webinar, June 7, 2022 (online)
- Blond, E; Beaumier D (2022):** Caractérisation des propriétés de frottement des géomembranes texturées (Characterization of Shear Properties of Textured Geomembranes), Proceedings of Rencontres géosynthétiques 2022, Saint-Malo, France.
- Blond, E (2022):** Assessment of the pore opening size of knitted geotextiles by image analysis, IGS TC-H Webinar on 'Recent Advances in Geotextile Filtration Design: Pore Opening Size Measurement using a Porometer or an Optical Test', IGS Technical Committee on Hydraulics, April 26, 2022 (online)
- Blond, E (2022):** Review of existing pore opening size measurement techniques, how reliable are ASTM D4751 and ISO 12956?, IGS TC-H Webinar on 'Recent Advances in Geotextile Filtration Design: Pore Opening Size Measurement using a Porometer or an Optical Test', IGS Technical Committee on Hydraulics, April 26, 2022 (online)
- Blond, E (2022):** Double lining systems utilizing geomembranes and geosynthetic drains: why are they so much better?, ACIGS Webinar, March 30, 2022 (virtual).

- Blond, E** (2021): Service life of geosynthetics. Webinar Series: Improving the Performance of Canals with Geosynthetics, 15-16-17 November 2021. IGS Technical Committee on Hydraulics.
- Blond, E** (2021): Designing geocomposites drains in leachate collection layers and double lining systems. Proceedings of Sardinia 2021, the 18th International Symposium on Waste Management and sustainable landfilling, Cagliari, Italy, 11 - 15 October 2021.
- Blond, E** (2021): The design of drainage geocomposites for long term applications. Webinar organized by the UK-Chapter of the IGS (International Geosynthetics Society) September 14, 2021
- Blond E** (2021): Editorial (Sustainability and Environmental Geotechnics). Environmental Geotechnics 8(4): 244–245. ICE Publishing, <https://doi.org/10.1680/jenge.2021.8.4.244>
- Blond, E** (2021): Repeatability of aging tests, Report on ASTM D35 efforts. ACIGS Forum on Geo-Barriers – March 23, 2021 (Online). Australian Chapter of the International Geosynthetics Society.
- Blond, E** (2021): Designing Geotextiles for Filtration: A Review of the State of the Practice, Development of Design Standard ISO 18228-3. Geosynthetics Conference 2021, Kansas City (MO), February 21-24, 2021 (virtual)
- Allen, S; **Blond, E**; Medlin, M; Von Maubeuge, K; Kurek, R; Suits, D; Islam, Z; Lozano, R (2021): Current Hot Topics in ASTM International Committee D35 on Geosynthetics. Geosynthetics Conference 2021, Kansas City (MO), February 21-24, 2021 (virtual)
- Blond E**, Rimoldi P, Legge K, Heibaum M, Wilke M, Allen S (2021): IGS TC-H Panel on: Filtration and Drainage Performance of Geosynthetics in Changing Climate Conditions. Geosynthetics Conference 2021, Kansas City (MO), February 21-24, 2021 (virtual)
- Blond E** (2021): Introduction aux Géosynthétiques dans les projets d'Infrastructure, Webinar organized by Terrafix Geosynthetics, February 17, 2021
- Plusquellec H, **Blond E** (2020): Irrigation Canals Lining: Moving from a Short- to Long-Term Effectiveness of Seepage Control with the Use of Geosynthetics; Presentation at the Special TC-H Session on Canal Lining, Organized by IGS Technical Committees TC-H (Hydraulics), Geoamericas 2020 Conference (Virtual)
- Blond E** (2020): Testing and Design of Drainage Geocomposites. Webinar organized by the FGI – Fabricated Geomembranes Institute – June 16, 2020
- Blond E** (2020): ACIGS Webinar: Designing with Geocomposites Drains for Long-Term Applications; Webinar organized by the ACIGS – The Australian Chapter of the International Geosynthetics Society, April 22, 2020
- Blond E** (2020): Review of the Improvements to OIT and Heat Aging Test Methods Currently under Discussion in ASTM D35; 2020 Geomembrane Workshop Series of the ACIGS – The Australian Chapter of the International Geosynthetics Society, March 16-17 2020 (Melbourne); March 16-17 2020 (Brisbane)
- Blond E** (2019): Index and Performance Testing of Flow Capacity of Geocomposite Drains; IGS Workshop - Technical Committee on Hydraulics (TC-H) Workshop, Prague, 13 November 2019
- Blond E** (2019): Introduction to the New Standard ISO TR 18228-3 on Designing for Filtration; IGS Workshop - Technical Committee on Hydraulics (TC-H) Workshop, Prague, 13 November 2019
- Dupont, N., Mlynarek J., **Blond E** (2019) : La certification des géotextiles utilisés en génie routier : une édition 2018 mieux ciblée sur les besoins du marché; Revue Routes et Transports, Vol.48 #1 printemps 2019 - Infrastructures, aménagements et technologies

- Blond E**, Saunier P, Dolez P (2018): Filtration of oil-sand tailing slurries, *Geosynthetics Magazine*, 2018
- Saunier P, **Blond E** (2018): Lessons learned on the Performance of Multi-Linear Drainage Geocomposites for Mining Applications; *Proceedings of Tailings and Mine Waste Conference 2018*, Sept 30 – Oct 2 2018, Keystone, Co
- Dolez P, **Blond E**, Saunier P (2018): Use of an electrically conductive drain-tube planar geocomposite (eGCP) for accelerating the dewatering of mine tailings; *Proceedings of the XIth international Conference on Geosynthetics*, Sept 16-21 2018, Coex, Seoul, Korea
- Adesokan D, **Blond E** (2018): Asperity height or asperity concentration: what matters more for interface shear resistance on textured polyethylene (PE) geomembranes?; *Proceedings of the XIth international Conference on Geosynthetics*, Sept 16-21 2018, Coex, Seoul, Korea
- Beaumier D, Dolez P, **Blond E**, Adesokan D (2018): Analysis of the effect of a white coextruded layer on the development of solar radiation-induced wrinkles in polyethylene geomembranes; *Proceedings of the XIth international Conference on Geosynthetics*, Sept 16-21 2018, Coex, Seoul, Korea
- Blond, E** (2018): Testing and Specification of Geosynthetics; Workshop organized by IGS Technical Committee on Hydraulic Applications, 2018 International Conference and 69th IEC Meeting of the ICID, 12-17 August 2018, Saskatoon, Saskatchewan, Canada
- Blond E** (2017): Measuring Geosynthetics Performance: Drainage; IGS-TC-H Geohydraulics Week, New Orleans, LA, November 7 – 9, 2017
- Blond E**, Boyle S, Ferrara M, Herlin B, Plusquellec H, Rimoldi P, Stark T (2017): Applications of Geosynthetics to Irrigation, Drainage and Agriculture; *ICID Journal*
- Blond, E** (2017): Testing of Geosynthetic Products used in Irrigation, Drainage and Agricultural Applications, Workshop organized by IGS Technical Committee on Hydraulic Applications, 23rd International Congress on Irrigation and Drainage, October 2017, Mexico City, Mexico
- Saunier P, **Blond E** (2017): Statement of the Performance of Tubular Drainage Geocomposites for Mining Applications; *Proceedings of Tailings 2017, the 4th International Seminar on Tailings Management*, July 12-17 2017, Santiago, Chile
- Beaumier D, Dolez P, **Blond E** (2017): Laboratory Measurement of the Linear Thermal Expansion of Geomembranes Using a Dynamic Mechanical Analyzer (DMA), *Proceedings of GeoFrontiers Conference*, Orlando, 2017
- Dolez P, **Blond E** (2017): Evaluation of Geotextile Performance for the Filtration of Fine-grained Tailings, *Proceedings of GeoFrontiers Conference*, Orlando, 2017
- Dolez P, Beaumier D, Taghizadeh A, **Blond E** (2017): Effect of White and Black Colors on Heat Generation in Polyethylene Geomembranes Exposed to Solar Radiation, *Proceedings of GeoFrontiers Conference*, Orlando, 2017
- Blond E** (2016) ASTM Standards on Geosynthetics: D35.02 on Endurance Properties, ASTM D35 sponsored pre-conference short course, GeoAmerica conference, Miami, March 2016
- Dolez P, **Blond E**, Saunier P (2016): Effect of the Composition of Tailings on Their Dewatering Using Electrically Conductive Drain-Tube Planar Geocomposites (eGCP), *Proceedings of GeoAmerica Conference*, Miami, 2016
- Jablonka M, Beaumier D, **Blond E** (2015): Long Term Durability of Polymeric Water-Resistive Barriers, *Proceedings of the North American Passive House Conference 2015*, Chicago
- Bauters T, Zhao A, **Blond E**, Saunier P (2014): Designing and Specifying Planar Drainage Geocomposites, Pre-conference short course, *Geosynthetics'15 conference*, Portland, February 2015
- Blond E** (2015) ASTM Standards on Geosynthetics: D35.02 on Durability, ASTM D35 sponsored pre-conference short course, *Geosynthetics'15 conference*, Portland, February 2015

- Dolez P., Beaumier D, **Blond E** (2015) A Laboratory Test Method to Measure the Permeability of Geomembranes to Methane and Carbon Dioxide, Proceedings of Geosynthetics'15 conference, Portland, February 2015 (in press)
- Blond E**, Veermersch O, Diederich R (2015) A Comprehensive Analysis of the Measurement Techniques used to Determine Geotextile Opening Size: AOS, FOS, O90, and 'Bubble Point', Proceedings of Geosynthetics'15 conference, Portland, February 2015
- Dolez P., Ragoubi M, Beaumier D, **Blond E** (2014) Measuring the Permeability of Geomembranes to Methane and Carbon Dioxide, Proceedings of the 10th International Conference on Geosynthetics, Berlin, September 2014
- Dolez P., Chappel M., **Blond E** (2014): Evaluating the Use of Geotextile Filters to Dewater Oil Sands Tailings, Proceedings of the 10th International Conference on Geosynthetics, Berlin, September 2014
- Dolez P., Hassani F, Gamdani F, Ragoubi M, **Blond E** (2014) Improvement of Polyethylene Geomembrane Barrier Properties Using Nanoparticles, Proceedings of the 10th International Conference on Geosynthetics, Berlin, September 2014
- Blond E**, Saunier P, (2014) Laboratory Evaluation of the Performance of Tubular Drainage Geocomposites for Ore Filtration and Acid leachate Collection, proceedings of 'Geosynthetics in Mining Conference, infomine, Vancouver 2014
- Blond E**, Breul B (2014) Behavior of bituminous geomembranes under elevated compression stress, proceedings of 'Geosynthetics in Mining Conference, infomine, Vancouver 2014
- Blond E** (2013) Material specification and CQC/CQA + Lab testing: What is typically required and what should be required, CGS 2013 Pre-conference short course: 'Geosynthetics in landfills and other barrier systems', Kerry Rowe, 2013
- Chappel M, **Blond E** (2013) The Compatibility of Geotextiles with Mature Fine Tailings, Proceeding of the Seventeenth International Conference on Tailings and Mine Waste, 3-6 November 2013, Banff, Alberta, Canada
- Chappel M, **Blond E**, Saunier P (2013) Case study of water evacuation from a waste cover via evapotranspiration and a drainage geocomposite, Proceedings of the 66th Canadian Geotechnical Society Conference, Montreal
- Dolez P, **Blond E** (2013) A discussion on issues pertaining to the containment of nanomaterials in landfills, Proceedings of the 66th Canadian Geotechnical Society Conference, Montreal
- Blond E**, Saunier P, Daqoune T, Fourmont S. (2013) Assessment of the effect of specimen dimensions and shape factor on the measured transmissivity of planar tubular drainage geocomposites using a large scale transmissivity apparatus. Proceedings of the 66th Canadian Geotechnical Society Conference, Montreal
- Blond E**, Fourmont S, Saunier P (2013) Biological clogging resistance of tubular drainage geocomposites in leachate collection layers, Proceedings of Geosynthetics'13, Palm Beach, California
- Bauters T, Zhao A, **Blond E**, Allen S, Saunier P (2014): Designing and Specifying Planar Drainage Geocomposites, Pre-conference short course, Geosynthetics'15 conference, Portland, February 2015
- Beaumier D, **Blond E**, Mlynarek J (2012). New technique for accurate quantification of plasticizers in PVC geomembranes, Proceedings of the Second Pan American Geosynthetics Conference & Exhibition GeoAmericas 2012, Lima, Perú - May 2012
- Bourgés-Gastaud S, **Blond E**, Saunier P: Applicability of drain tubes planar geocomposites for heap leach pads, Proceedings of the Second Pan American Geosynthetics Conference & Exhibition GeoAmericas 2012, Lima, Perú - May 2012

- Zhao A, **Blond E**, Recalcatti P (2012) Drainage Geonet Composites and Performance Assessment, Proceedings of EuroGeo 2012, Valencia, Spain
- Blond E**, Fourmont S, Bloquet C (2012) Applicability of tubular drainage geocomposites as part of the leachate collection layer with respect to biological clogging, Proceedings of EuroGeo 2012, Valencia, Spain
- Blond E**, Fourmont S, Bloquet C (2011). Évaluation comparée du colmatage bactériologique d'un géocomposite de drainage en fond d'installation de stockage de déchets, Rencontres Géosynthétiques 2011, Tours, France
- Daqoune T, **Blond E** (2010). Development of a New Filtration Testing Apparatus Involving Mechanical Stresses. Proceedings of Geosynthetics 2010, Guarujá, Brazil
- Saunier P, **Blond E** (2010). Behavior of 'Draintube' Drainage Geocomposites under High Compression Load. Proceedings of Geosynthetics 2010, Guarujá, Brazil
- Marcotte M, Denis R, **Blond E** (2009). Design Algorithm for the Puncture Resistance of PVC Geomembranes for Heap Leach Pads. Proceedings of Geosynthetics Middle East, Dubai, 2009
- Saunier P, **Blond E** (2009). Behavior of 'Draintube' Drainage Geocomposites under High Compression Load. Proceedings of Geosynthetics 2009, Salt Lake City, 2009
- Jablonka M, **Blond E** (2009). Long Term Performance Requirements for HDPE Drainboards. Proceedings of Geosynthetics 2009, Salt Lake City, 2009
- Blond E** (2008). Les certifications de produits : gestion de la qualité ou protection de marché? 'Buildtech' session opening presentation, Hightex Conference, Montréal, 2008
- Mok M, **Blond E**, Mlynarek J, Jeon HY (2008). Manufacturing Factors affecting the short-term compressive properties of traditional bi-planar geonets. Proceedings of the International Conference on Geosynthetics, Cancun, 2008
- Mok M, **Blond E**, Mlynarek J, Jeon HY (2008): Study on geonet's short-term compressive properties and its transmissivity. Proceedings of GeoAmerica, Pan-American Conference on Geosynthetics, Cancun, March 2008.
- Blond E**, Wilson MC, Ciubotariu R, Bouthot M (2007): Design of a Geotextile Used as a Key Filtration and Reinforcement Component of a Sediment Capping Structure Installed in Shallow Water. Proceedings of the 60th annual conference of the Canadian Geotechnical Society, Ottawa, October 2007.
- Blond E** (2007): Innovation in the House Building Sector. Revue du Textile, Janvier 2007.
- Blond E**, Elie G (2007): Interface Shear-Strength Properties of Textured Polyethylene Geomembranes. Canadian Environmental Protection, Jan/Feb 2007
- Blond E**, Elie G (2006): Interface Shear-Strength Properties of Textured Polyethylene Geomembranes. Proceedings of the 59th annual conference of the Canadian Geotechnical Society, Saskatoon, October 2005.
- Blond E**, Elie G, Kay D (2006) : La spécification des géomembranes de polyéthylène vis-à-vis de la durabilité / The Specification of Durability Requirements for Polyethylene Geomembranes, Rencontres Géosynthétiques 2006, Montpellier, France
- Blond E** (2006) : Les géosynthétiques : une révolution dans l'industrie du génie-civil, Revue du Textile, Avril 2006.
- Blond E**, Davidson S, Jetté D, Quesnel P, Vermeersch O (2005): On-Site Monitoring Of The First Canadian 'Piggy-Back' Landfill, In Quebec. 58th annual conference of the Canadian Geotechnical Society, Saskatoon, October 2005.

- Blond E**, Mlynarek J (2005): Specification and Design Criteria for Geotextile Filters To Be Used In Agricultural Drainage, 58th annual conference of the Canadian Geotechnical Society, Saskatoon, October 2005.
- Quesnel P, Jetté D, **Blond E** (2005): On-Site Monitoring of the First Canadian 'Piggy-Back' Landfill, Réseau Environnement, Montréal, Septembre 2005
- Kay D, **Blond E** (2005): A Guide to Assess the Durability of 'Plastic' Materials Used in Civil Engineering. CSCE annual conference, 6th Transportation Specialty Conference, Toronto, Ontario, Canada, June 2-4, 2005
- Blond E**: Frost Heave Mitigation and Drainage Application of Geosynthetics in Municipal Roadways. Pavement Design and Rehabilitation Seminar and Workshop, Ministry of Transportation of Ontario, North Bay (Ont), December 1-2, 2004
- Blond E**, Benchekroun L, Vermeersch O, Mlynarek J (2004) : Devis type pour géotextiles de séparation. Infra 2004, Montréal, Novembre 2004
- Blond E**, Benchekroun L, Vermeersch O, Mlynarek J (2004): Durability of Separation Geotextiles. Proceedings of the 5th Forum on Geosynthetics, Toronto, November 2004.
- Blond E** (2004): Études de performance effectuées sur des géotextiles de séparation. Mini-colloques AQTR / SAGEOS : 'Les géotextiles et les géogrilles en génie routier', Gatineau – Sherbrooke – Sainte-Marie de Beauce – Rimouski – Saguenay, Novembre 2004
- Kay D, **Blond E**, Mlynarek J (2004): Geosynthetics Durability: A Polymer Chemistry Issue. Proceedings of the 57th annual conference of the Canadian Geotechnical Society, Québec, October 2004.
- Bouthot M, Wilson MC, Ciubotariu R, **Blond E** (2004): Evaluation of the Chemical Compatibility of Geosynthetics used as Components of a Subaqueous Capping System for Contaminated Sediments. Proceedings of the 57th annual conference of the Canadian Geotechnical Society, Québec, October 2004.
- Blond E**, Vermeersch O, Mlynarek J (2004) : Développement d'un devis type pour les géotextiles de séparation utilisés en construction routière au Québec. Comptes-rendus du 4^{ème} Forum sur les Géosynthétiques, Québec, 11, 12 février 2004.
- Blond E**, Vermeersch O, Mlynarek J (2004): Selection of Protective Cushions for Geomembranes Puncture Protection. Comptes-rendus du 4^{ème} Forum sur les Géosynthétiques, Québec, 11, 12 février 2004.
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DEVELOPMENT OF STANDARDS AND SPECIFICATIONS

Key contributions – either as the main writer or as a significant contributor, with an impact on the structure and philosophy of the document. Average and minor contributions are not listed.

- American Society for Testing and Materials

ASTM D5101: Filtration Compatibility of Soil-Geotextile Systems

ASTM D5199: Thickness of Geosynthetics

ASTM D5397: Stress Crack Resistance of Polyolefin Geomembranes (NCTL)

ASTM D5493: Permittivity of Geotextiles Under Load

ASTM D5514: Large Scale Hydrostatic Puncture Testing of Geosynthetics

ASTM D5721: Air-Oven Aging of Polyolefin Geomembranes

ASTM D5885: Oxidative Induction Time of Polyolefin Geosynthetics by High-Pressure DSC

ASTM D7178: Number of Constrictions “m” of Non-Woven Geotextiles

ASTM D7700: Guide for Selecting Test Methods for Geomembrane Seams

ASTM D7931: Guide for Specifying Drainage Geocomposites

ASTM D8117: Oxidative Induction Time of Polyolefin Geosynthetics by DSC

ASTM D8490: Opening Size of Circular Knit Geotextiles Using an Optical Method

- Bureau de Normalisation du Québec

BNQ 7009-210: Geotextiles Used in Road Engineering – Classification, Characteristics & Test Methods

BNQ 7009-910: Geotextiles Used in Road Engineering – Certification Protocol

- CRAAQ Agriculture, Pêcheries et Alimentation Québec

Guide de référence technique en drainage souterrain et travaux accessoires. Section 4 : Les Matériaux Filtrants (2005) Centre de Référence en Agriculture et Agroalimentaire du Québec

- International Organization for Standardization

ISO 12956: Geotextiles and geotextile-related products — Determination of the characteristic opening size

ISO 12958-2: Geotextiles and geotextile-related products — Determination of water flow capacity in their plane — Part 2: Performance test

ISO 18228-3: Design using geosynthetics — Part 3: Filtration

- Ontario Provincial Standards

OPSS 1860: Material Specification for Geotextiles

- CCMC Technical Guides

Support provided to the Canadian Construction Material Centre (CCMC) for the development of Technical Guides to assess the fitness for purpose of innovative building construction materials intended to be used in a Canadian environment.

- Exterior, below-grade moisture protection, drainage of foundations

CCMC 03 46 13.03: Technical Guide for PVC foundation product intended for use as a concrete footing form and drainage tile.

CCMC 33 46 13.04: Technical Guide for HDPE foundation product intended for use as a concrete footing form and drainage tile.

CCMC 33 46 23.01: Technical Guide for Foundation Wall Drainage Systems – Dimpled Membranes

CCMC 07 11 19.01: Technical Guide for Foundation Wall Dampproofing Systems – Dimpled Membranes

- Interior, below-grade moisture protection

CCMC TG 071119.02-20: Interior Exposed Dampproofing Membrane

- Above-grade, thermal and moisture protection

CCMC-07 65 26.02: Technical Guide for Acrylic Polyolefin Sheathing Tape and Self-Adhering Flashing

CCMC-07 65 26.01: Technical Guide for Butyl-Based Self-Adhering Sheet Flashing

CCMC 07 21 19.06: Technical Guide for “Spray-Applied Polyurethane Foam Installed in One Pass with a Maximum Thickness of 140 mm”

CCMC 07 21 19.03: Technical Guide for Low Density, Open Cell, Spray-Applied Polyurethane Foam Thermal Insulation Material Used as an Insulative Sheathing and Inner Boundary of Second Plane of Protection

- Roofing membranes

CCMC 07 54 19.01: Technical Guide for PVC Sheet-Applied Decking Membranes (Exposed to Light Pedestrian Traffic)

(Masterformat number to be confirmed): Liquid-applied Acrylic Roof Coating for Sloped Metal Roof in Existing Building

(Masterformat number to be confirmed): Liquid-applied Acrylic Roofing Membrane with a Woven Polyester Reinforcement