Preface to the Proceedings of GeoAmericas 2024

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1 Introduction

The quadrennial GeoAmericas conference connected diverse civil engineering professionals to foster technical exchange and education on the appropriate use of geosynthetics as engineered materials for environmental protection, mining, sustainability, transportation and other key infrastructure sectors through the Americas. The GeoAmericas 2024 conference was held in Toronto Canada and was organized by IGS North America. GeoAmericas is a major regional technical conference and trade show of the International Geosynthetics Society (IGS). GeoAmericas has previously been held in Cancún (2008), Lima (2012), Miami (2016), and Rio de Janeiro (2020 – Virtual). Toronto marks the first time in thirty years that a major IGS regional conference was held in Canada (Geosynthetics '93, Vancouver, B.C.).

2 Proceedings Scope

The proceedings are comprised of technical papers organized into topic areas that span the breadth of research in geosynthetics engineering. The conference proceedings also included papers submitted to special sessions organized by the IGS Technical Committee on Hydraulics, the ASTM D35.10 subcommittee on Cold Weather Welding and ASTM D35.40 on Sustainability, and the Flexible Geomembranes Institute. The main topic areas in the proceedings include: Geosynthetic Properties, Geomembrane Leak Location, Geosynthetics in Mining Applications, Geosynthetics in Pavements and Railways, Geosynthetics in Landfills, Geosynthetics for Ground Improvement, Geocells, Geosynthetics in Slopes, and Mechanically Stabilized Earth walls.

3 Note of Appreciation

The GeoAmericas 2024 technical committee co-chairs would like to sincerely thank the authors for their contributions to these proceedings. They are also grateful to the peer-reviewers who carefully assessed each paper and provided constructive criticism to the authors to improve their work. This was a major time commitment necessary to make these proceedings have a lasting impact. The technical committee co-chairs would also like to thank the conference co-chairs Joseph Scalia IV and Kate Patterson for their leadership and the Secretary General Chris Kelsey in helping to make the conference a success.

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