



NGO
IGS Netherlands

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<https://ngo.nl/symposium0326/>

2nd International Symposium Geosynthetics and Sustainability

Environmental, Civil and Hydraulic Engineering

18th March 2026 12.15 – 18.45 CET (GMT+1)

Venue: Technical University Delft (TU Delft)
Faculty Civil Engineering and Geosciences Building 23, lecture hall D
Stevinweg 1, 2628 CN Delft, The Netherlands

For more information, email us at events@ngo.nl

Geosynthetics:

Pioneering Sustainability in Engineering

The urgency of addressing global warming make innovative solutions necessary within civil and hydraulic engineering. Geosynthetics or sometimes called Geo-building materials, emerge as a sustainable building method, significantly reducing CO₂ emissions (30-89%) and energy consumption (up to 85%) compared to conventional building materials like concrete and steel.

This symposium, hosted by the NGO, IGS and EAGM, serves as a platform for knowledge exchange on geosynthetics and sustainability.



Launch of the IGS Geosynthetics Handbook.

The International Geosynthetics Society has published a handbook which provides an overview of geosynthetic materials, their applications, design considerations and installation practices across infrastructure works. It will be launched at the symposium and each participant will receive a copy of the book.

Programme

| | | |
|-------|---|---------------------------------------|
| 12.15 | Walk-in with coffee/tea and sandwiches | |
| 12.40 | Opening and introduction of the IGS Handbook | Wim Voskamp, president of NGO |
| 12.45 | IGS Geosynthetics Handbook. "Design Principles and Installation Examples" | George Koerner |
| 13.40 | Questions and answers followed by a short break | George Koerner |
| 14.10 | Sustainability effects of geosynthetics in large infrastructure works in the Netherlands | Wim Voskamp |
| 14.40 | Geosynthetics for a Sustainable, Resilient Future in Flood Protection | Kent von Maubeuge |
| 15.10 | An overview of the comparable life cycle assessments for roads, prepared for EAGM | Jürgen Gruber |
| 15.40 | Short break | |
| 15.55 | An overview of the comparable life cycle assessments for walls, surface drainage and hydraulic channel, prepared for EAGM | Henning Ehrenberg |
| 16.25 | Sustainable use of geosynthetics in roads in Europe | Marie-Therese Hortmann |
| 16.55 | The design and construction of soil-reinforced structures in the A10 widening project near Amsterdam | Justus Lagendijk |
| 17.25 | Panel discussion and questions from participants | |
| 17.45 | Social event-informal meeting participants with drinks and snacks | at PSOR location, TU faculty building |

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Distinguished speakers



Dr. George Koerner

Former Director of the Geosynthetic Institute in Philadelphia USA. He is in charge of laboratory accreditation, field certification and continuing education at the Institute. He has published > 300 papers and is the editor of the IGS Geosynthetics Handbook.



Kent von Maubeuge

Brings 40+ years in civil engineering and geosynthetics. He spent 35 years as Senior Expert and is now Consultant at Naue, lectures at Bielefeld University of Applied Sciences and Hochschule Ostwestfalen-Lippe, and serves as Convenor of TC 189/WG 6 for DIN and CEN.



Henning Ehrenberg

Quality and Product Manager at Naue. Part of the Board and leading the technical work group of EAGM. Member of IGS TC-Barrier, IGS TC-Sustainability and CEN/ISO working groups



Marie-Therese Hortmann

Team Lead Earthworks & Foundation at HUESKER Synthetic GmbH. She is a geotechnical engineer with broad international experience, specializing in geosynthetic design solutions and technical sales support. She is a member of DGGT and IGS.



Jürgen Gruber

Director of Marketing and Innovation at Solmax EMEA. Professional civil engineer (MSc Linz, MBA), active in technical marketing since 2002 with Polyfelt and TenCate, now a Board member of Solmax. He is a member of ASI and DIN and Vice President of EAGM.



Justus Legendijk

Geotechnical Advisor at Joosten Group with a BSc in Civil Engineering (Rotterdam). Extensive experience designing complex geosynthetic projects with a focus on durability, and prior roles at Geologics and Tensar International as a design engineer.

NGO-IGS Netherlands Wim Voskamp, Rijk Gerritsen, Andries Steerenberg, Leo Kuljanski, Dick Janse Follow NGO-IGS on [LinkedIn](#)

Symposium coordinators Rijk Gerritsen, Dick Janse, Sander Suk Organisation Lieke van Vliet, Jolanda van Zadelhoff

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