

IGS TC-Barrier Systems Workshop in Barcelona Final Program



22 - 23 January 2020 | BarcelonaTech | Barcelona, Spain

22 JANUARY 2020 – WEDNESDAY

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| 8:00 | Registration | | |
| 8:30 – 8:45 | IGS President Welcome – <i>Session Chair: Chungsik Yoo (South Korea)</i> | | |
| 8:45 – 9:00 | Opening – <i>Session Chair: Kent von Maubeuge (Germany)</i> | | |
| 9:00 – 9:15 | Session A Re-Cap of Munich 2018 Workshop, Geomembrane Puncture Protection, Welding of Geomembranes, Digital Quality Control Systems <i>Session Chairs: Siamak Paulson (Australia) & Boyd Ramsey (USA)</i> | Re-cap of Munch 2018 Workshop – <i>Kent von Maubeuge (Germany)</i> | |
| 9:15 – 9:35 | | Current Testing on Puncture Protection – <i>Richard Brachman (Canada)</i> | |
| 9:35 – 9:55 | | Geomembrane Welding Performance – Field Experience and Interpretation – <i>Thomas Furrer (Switzerland)</i> | |
| 9:55 – 10:15 | | Testing and Durability of Geomembrane Welding – <i>Kerry Rowe (Canada)</i> | |
| 10:15 – 10:45 | | Coffee break | |
| 10:45 – 11:05 | | Advances made in Field with QC Testing – <i>Henco Weidlich (South Africa)</i> | |
| 11:05 – 11:25 | | Advances made in Field with QC Testing – <i>Siamak Paulson (Australia) & Boyd Ramsey (USA)</i> | |
| 11:25 – 12:45 | | Discussion | |
| 12:45 – 13:45 | | Lunch | |
| 13:45– 14:05 | | Session B Advancements with Geosynthetic Clay Liners <i>Session Chairs: Craig Benson (USA) & Gemmina Di Emidio (Belgium)</i> | Polymer modified Bentonites and their Concept – <i>Wolfgang Lieske (Germany)</i> |
| 14:05 – 14:25 | Unsaturated polymerized clays and the reuse of waste materials – <i>Gemmina di Emidio (Belgium)</i> | | |
| 14:25 – 14:40 | Advancements on polymer modified Bentonites in GCLs – <i>Kuo Tian (USA)</i> | | |
| 14:40 – 15:00 | Assessment of Long-Term Performance of Linear Polymer-Modified Bentonite (LPMB) GCLs – <i>Tarek Abichou (USA)</i> | | |
| 15:00 – 15:20 | Coffee break | | |
| 15:20 – 15:45 | Bentonite-Polymer Composite GCLs: Where they Work and Where they Don't – <i>Craig Benson (USA)</i> | | |
| 15:45 – 16:10 | Testing on polymer coated GCLs – <i>Kerry Rowe (Canada)</i> | | |
| 16:10 – 17:30 | Discussion | | |
| 19:00 | Workshop dinner | | |

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23 JANUARY 2020 – THURSDAY

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|---------------|---|--|
| 9:00 – 9:20 | | Barrier Systems for Sealing against PFAs – <i>Boyd Ramsey (USA)</i> |
| 9:20 – 9:45 | Session C | Thirty years ago, scientists warned about PFAS, and hey they were right. – <i>Malek Bouazza (Australia)</i> |
| 9:45 – 10:10 | Performance and Durability of Geosynthetic Barriers | Effect of hydration on GCL permeability – <i>Richard Brachman (Canada)</i> |
| 10:10 – 10:30 | Session Chairs: Kerry Rowe (Canada) & Malek Bouazza (Australia) | HDPE geomembrane Oven ageing and OIT; Assessing the effects of leachate chemistry– <i>Kerry Rowe (Canada)</i> |
| 10:30 – 11:00 | | Coffee break |
| 11:00 – 12:15 | | Discussion |
| 12:15 – 13:30 | Lunch | |
| 13:30 – 13:55 | | Integrated Capping System for a Chromium Contaminated Site – <i>Siamak Paulson (Australia)</i> |
| 13:55 – 14:20 | Session D | Barriers in steep wall applications – <i>Jonathan Shamrock (New Zealand)</i> |
| 14:20 – 14:45 | Case Histories of Usual and Innovative Barrier Applications | Requirements for high performance geomembranes – <i>Kerry Rowe (Canada)</i> |
| 14:45 – 15:15 | | Coffee break |
| 14:45 – 15:10 | Session Chairs: Pete Atchison (UK) & Jonathan Shamrock (New Zealand) | Risk Based Design Approach for Designing Landfill Lining Systems – <i>Amir Shahkolahi (Australia)</i> |
| 15:10 – 15:35 | | Gas resistant Membranes - where Civil Engineering meets Construction – <i>Pete Atchison (UK)</i> |
| 15:35 – 17:00 | | Discussion |