

IGS TC-Barrier Systems Workshop in Barcelona Final Program



22 - 23 January 2020 | BarcelonaTech | Barcelona, Spain

22 JANUARY 2020 – WEDNESDAY

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		

IGS TC-Barrier Systems Workshop in Barcelona Final Program



22 - 23 January 2020 | BarcelonaTech | Barcelona, Spain

23 JANUARY 2020 – THURSDAY

9:00 – 9:20	Session C Performance and Durability of Geosynthetic Barriers Session Chairs: <i>Kerry Rowe (Canada)</i> <i>& Malek Bouazza (Australia)</i>	Barrier Systems for Sealing against PFAs – <i>Boyd Ramsey (USA)</i>
9:20 – 9:45		Thirty years ago, scientists warned about PFAS, and hey they were right. – <i>Malek Bouazza (Australia)</i>
9:45 – 10:10		Effect of hydration on GCL permeability – <i>Richard Brachman (Canada)</i>
10:10 – 10:30		HDPE geomembrane Oven ageing and OIT; Improving repeatability and short term predictive tests – <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	Session D Case Histories of Usual and Innovative Barrier Applications Session Chairs: <i>Pete Atchison (UK)</i> <i>& Jonathan Shamrock (New Zealand)</i>	Integrated Capping System for a Chromium Contaminated Site – <i>Siamak Paulson (Australia)</i>
13:55 – 14:20		Barriers in steep wall applications – <i>Jonathan Shamrock (New Zealand)</i>
14:20 – 14:45		Requirements for high performance geomembranes – <i>Kerry Rowe (Canada)</i>
14:45 – 15:15		Coffee break
14:45 – 15:10		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	